

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: wa5whn@juno.com (Jay D Miller)
Subject: [9959] 10 meters was open (Sporadic E)/Lost Gold Mines/Saturday/FSFD
Message-ID: <19970126.102656.4447.0.wa5whn@juno.com>

QRP-Lers,

WOW !! What a Saturday ! Life is good. W5BI & I had headed out to the Ortiz Mountains (site of one of the largest old gold mines in New Mexico, 34 miles NE of Albuquerque, as the crow flies). Enroute, we were monitoring (photo of the gear will be on the web page) 29.6 MHz FM (1600 UTC-25, Jan., '97), when everyone from Springfield, Mo. to Texas were calling "QRZ 10 FM", at that same time. In W5BI's vehicle, we were tuning & listening for the FSFD participants. As we had turned on to Highway 55 east, off of North Highway 14, just south of Los Cerrillos, NM, along the Turquoise Trail (Where the movie "Young Guns 2" was filmed), we had spotted a row of Roman style columns. In the desert, You don't see many Roman style columns, complete with a Roman style house. The sign, on the gate, read "No trespassing." OK, no problem.

Highway 55 (It's a dirt road), when I was a youngster, a few years ago, was called "The old gold mine road". We had driven to the north end of the Ortiz Mountains, along Highway 55, 10 meters FM was open, we were also copying (40 cw) numerous S-9 (on an IC-706) QRO California stations. We had driven up to another gate, that was closed. By order of some NM Law, and several other statues, this road is now closed & the mine is owned by some firm, with offices in Santa Fe. When I was much younger, we used to hike above the mine. Hmmm, back in the Gold Mining business ? After W5BI had spun the vehicle around, 40 cw was going strong & still none of the QRP crowd.

Do You know why North Highway 14 (between Santa Fe & Sandia Park, NM) is called the "Turquoise Trail" ? W5BI & I had decided to head northwest, above Los Cerrillos, into the old Turquoise fields (In the 18th century, both the Spanish & the local Population used to gather turquoise from these fields. People, it is just laying on the ground. (Don't try this at home, since we were in a 4WD vehicle & we know the paths (more like old horse trails) to the sights. Some of the Ranchers don't take too kindly to People trespassing) Still, we were monitoring 40 cw & 10 meters FM. We had come across some new claims & diggings (Hmmm, someone obviously had found a new archeological site). Rule #1 & #2: We don't touch & we don't disturb the area. Well, after not hearing the usual QRP crowd, we had decided to switch to 20 meters. Who's this ? WB8RAA on 20 meters ? That's W5BI's Dad. (Synchronicity ??) We had a very nice chat with WB8RAA - Ed, in Akron, Ohio, at a site (mobile) with the Ortiz Mountains, in view, to the south & the Sangre de Christo Mountains to the north. What a panoramic view. Yes, we have photos. Also, W5BI & I had high centered 3 wheels, in a 4WD vehicle. It was my job to push the vehicle, down a ravine. I did fall on the appropriate part of the body (The B, in FYB0-Feb. 22 & 23)) where it would not hurt. :-)

I had checked with KB50MD (#2 Son) on UHF, to see if I could stay out a bit longer (WB5LYJ-She, who grants permission for me to play). Whew, "She who grants permission" said "OK". ;-)

Well, as far as FSFD QRP, it was a total failure for us, but we had talked to W5BI's Dad on 20 meters, and worked several stations, 10 meters FM QRP, plus we did have one of the best seats, on the planet, as far as vistas & walked around some very beautiful turquoise fields. Later in the day, we had driven back into Madrid, New Mexico for lunch. Talk about an old coal mining Ghost Town, that had come back to life. Art Gallerys everywhere, in Madrid, NM. Somehow, a 4WD vehicle with 4 antennas on the roof & the rear bumper, looks out of place in this crowd. We had found parts of an old coal fired generator, in Madrid.

Stay tuned, more adventures on the way, from W5BI & WA5WHN QRP mobile. Hmmm, wonder if I should saddle up one of KC5DT's horses & go QRP horse mobile, in the badlands of New Mexico & eastern Arizona.

72...Jay, WA5WHN, Albuquerque, NM, Grid

Square: DM65qd

<http://www.flash.net/~w5bi/>

(It has not been updated, yet)

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: "Kenneth W. Evans" <w4du@bellsouth.net>

Subject: [9940] 160 contest

Message-ID: <32EB5EFD.124@bellsouth.net>

Just finished the 160 cw and am tired. Was wondering if any of my contacts were two way qrp? Check you logs for my call. Send me an e-mail and I'll do the same.

Results:

QSOs	Countries	States	Districts	Tot	Points
101	5	32	2	8280	

Rig FT 990 modified per recent Sprat at 5 watts) Antenna- Gap Voyager

Again, I'd like to hear from other QRPers that participated.

72,

Ken
W4du

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Bill Harding <K4AHK@ix.netcom.com>
Subject: [9902] 160 meter contest
Message-ID: <32EACC7A.1542@ix.netcom.com>

Since first licensed in 1954, I have never lived where I thought I had the room to put up an antenna for 160 meters. At my current suburban address, we are not allowed *any* outside antennas. All of my wire antennas are in the attic and cover 40 meters and up. Yes, they work. It only took me two years to confirm DXCC using an ARGO 509.

This afternoon I became excited listening to the activity in the 160 contest. I grabbed a roll of hookup wire from the bench, held on to the end and through it out the window from my second floor shack. I then ran around the yard spooling out wire over the tops of bushes, fences and small trees in a 'U' shaped pattern. I left the half empty spool on top of a fence post and went back inside to see if my random wire would load on 160m. In two hours, I have worked almost all states east of the Miss. river from mu QTH near Wash. DC. - and all QRP. What fun !

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: launerb@crl.com (William H. Launer)
Subject: [9910] 30 Meters not dead after dark!
Message-ID: <v01530500af10831a9ae3@[192.0.2.1]>

Just made my first 38 Special contact! Tail-ended a qso, and talked to WA4DOU in Wilson, NC from 0318 to 0338. I was 559, and he was 439 here in St. Charles, MO. Of course, my 5 watts was qro in comparison with his 1 watt! My antenna is a 125 ft end fed wire , mostly lying on the roof.

72/73 - Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arc1 #3551
Grid Square EM48RT

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [9951] 38 S advice please
Message-ID: <Pine.SUN.3.95q.970126085957.22516C-100000@ume>

Will put this guy together this week.
Any advice on doing the RIT and 5 watt mod AT THE SAME time?
Is there any problems using 8 uh for the inductor to get a little more
freq coverage?

I will start today, at least until I go visit the local "alien" who
celebrates his country's "superbowl" with a party every year. (It minus
35 degrees celcius this morning with ICE FOG.....you would think the
Califorian would have moved back years ago!)

Dr. Rick Zabrodski BSc, MD, CCFP(E) MRO * VE6GK
Clinical Assistant Professor * NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Phillip S. Rutledge" <rut@mcrut.mv.com>
Subject: [9958] 38 Spl.-raspy output!
Message-ID: <199701261655.LAA01419@bort.mv.net>

Hi all,

Well, I've got this thing all put together and it seems to be receiving
just fine. I did notice that the audio is a bit better using high impedance
headphones, what with the 47 ohm res. between C37 and the phone jack.
However, my real problem lies with the output. Aside from having NO
sidetone, the output is very raspy at the low end of the tuning range.
(distorted sine wave as well) On the upper end, the tone (as monitored on
an FT-990) is clean, with an accompanying clean sinewave. What would cause
this to vary so much from one end to the other?? Anyone else had this problem.

Any advise would be greatly appreciated.

Thanks & 72==Phil

=====
Phil Rutledge--K1HS-- rut@mcrut.mv.com

ARCI#9265=Norcal#1797=N.E. QRP Club#489= QRP-L#820= CQC# 385
=====

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: ROYGREGSON@aol.com
Subject: [9934] 38S
Message-ID: <970126023239_442511502@emout11.mail.aol.com>

C505 !I used a 330PF silver mica cap, now have a beautiful looking sine wave.
300PF to 390PF works ok, but 330PF seems to give a better sine wave + a smidgen more power out with proper adjustment of TC2. Also added a 1uH choke in series with the 4.7uH at the xtal side. Now have coverage from 10.104 to 10.131. Was 10.113 to 10.133. 2.2uH choke would be better though
Roy W6EMT

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: PDouglas12@aol.com
Subject: [9961] 38S Power mod report
Message-ID: <970126124001_1692742284@emout01.mail.aol.com>

Hi Gang,

I have been faithfully following the mod reports, mostly because I am afraid I will miss an essential one. So far, I have done the high power mod with the excellent changes recommended by Mike Gripe KM1G (I am still amazed at the number of technical wizards on this list--) plus the addition of C505 -- 330pf SILVER MICA cap (don't use a ceramic in an output tank) as recommended by Roy Gregson, WA6EMT. Incidentally, did you notice that Roy is the designer of the excellent commercial line of EMTECH NWxx transceivers?

Obviously, he is not missing out on the fun of the 38S--and I betcha' a number of successful 38S builders will graduate on to rigs like Roy's. So in short, the corrected mod I used (incorporating both the Gripe and Gregson mods) is:

1. Remove (or do not use) R101

2. Replace C101 with a wire jumper
3. Change C26 to 330 pf from 220pf -- a regular disc cap is suitable here. This is the cap immediately to the right of U4.
4. Add a 330pf silver mica cap at C505

I take no credit for the genius in the above. I am just repeating what others have reported in a convenient fashion.

Anyway, I found that I can now tune the 38S 5 watter to a stable spot with TC2. I still don't have a scope that will do anything above 1.6 meg, so I use all the tricks I can to assure I am sending out a stable signal. Lacking a scope I found the best method is to use a freq counter (the counter will at least show if you have an out of band spur that is so strong it captures the counter. The 38S will do just that when mistuned. Once TC2 is close, the freq counter quits showing a major spur at 9.8 MHz or so. Then, use a general coverage receiver to find the correct signal and clean it up while listening to the receiver. I can hear two tones on my Yaesu from my 38S until it is just right, then there is only one clean tone. Actually, with the power mod, I found the rig is *more* stable and easier to tune than without it. Ironical, but there you are.

I have the IRF 510 sinked with back to back anodized aluminum "wing" style heat sinks which seem adequate at 12v, but run fairly hot at 13.8. It may be necessary to use insulated hardware and a mica sheet (Radio Shack sells this as a mounting kit) to sink the IRF 510 to a metal case if you plan to run it off 13.8v.

Made a contact too. Worked a fella who is 78 years old in Tampa. He reported a 559 for me. So it aint chirpin' !

OK, now the TICK and the RIT and the case.

Oh, and one more thing--Hey Doug and Ori and Jim--I think I got my money's worth!

Thanks.

72,

Preston WJ2V

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jim Bennett <jbennett@ebmud.com>
Subject: [9924] 38S Problem Resolved
Message-ID: <32EAEB0E.75D1@ebmud.com>

Fellow NC38S builders:

Yesterday I posted a note to the group asking for assistance in

resolving

a problem I had with my NC38S after doing the 5 watt power mod. I got quite a few replies, and I want to thank each and every one of you, especially Ori, AC6AN and Paul, NA5N. As I promised Paul, I'm posting the result so that others don't do what I did to my rig.

The 5w mod calls for two mono caps @ .1mf (three caps if you are not doing the suggested additional mod from Mike, K1MG) plus some other parts. I did the mods as prescribed. After I powered it up, it received for less than a minute before blowing the fuse in my 13.8vdc supply. For a full description see my prior post titled: "38S Need Help (long)".

The bottom line was that Mr. know-it-all (me) was out of .1mf caps and picked up some at the store - but did I get "mono" caps? Nooooo. I thought tantalum caps would work just fine. I didn't realize that they are electrolytic caps and have a plus side and a minus side. Hmmm...what WAS that black stripe doing on one side of the cap? -:(

Evidently I got one of them in the circuit with its positive side where it wasn't supposed to be. It lasted about 40 seconds and shorted internally, providing me with a nice path for my 8vdc to ground. I was lucky; no other components bit the dust - just the fuse and the cap. Well, actually I did totally mangle the IRF510 getting it off the board to test it!

So - I strongly suggest NOT using a tantalum capacitor where a mono cap is called for. Unless you want to learn a lot more about your circuit and how to spend lots of time de-soldering components.

My 38S is now on the air, full power, no more fuse blowing. Alright, now I'll do the TiCK mod. What could possible go wrong.....?

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*-----*
|           Jim Bennett / W6JHB           |
|           jrbennett@ebmud.com           |
|           Martinez, CA                  |
|                                           |
|   NWQRP #431      QRP-1 #596      ARRL Life Member |
|           Dumb-ass of the year, 1997      |
|                                           |
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From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [10007] 38S: 1W 2N3866 mod
Message-ID: <199701262228.PAA15594@zia.aoc.nrao.edu>

I have received numerous emails about adding a simpler transistor for say 1W output. I spent hours using the existing circuit structure for the IRF510 for an output amplifier using both 2N3866 and 2SC799. Both amplifiers work, works well, puts out about 1W, but the current draw on both is about 350mA, which is about what the IRF510 draws for 3W, so the efficiency is pretty bad. I made some improvement by using larger values of fixed inductors for L101, a 10 ohm resistor in the emitter for emitter biasing, etc. But I kinda got to the point of realizing, "what's the point?"

For those of you wishing to power the 38S off a couple of paralleled 9v batteries, the efficiency of the "stock" 38S can't be beat. By adding the 270pF capacitor for C501, the output power goes up a bit (see the post on the 38S stock output mod). I will play with this further on-the-air in the near future.

For those wanting to throttle the output power of the IRF510 to the 1-3W level, I'm going to add a DRIVE control to my 38S, and will let you know how I did it later. It will most likely have to be performed at the gate input side of the IRF510. Since the paralleled HC240's are operated in the saturated logic mode, the output level can not be easily throttled down line from that.

Until then, choose your weapon ... 350-400mW or 4-5W.

Are we having fun yet?

72, Paul NA5N

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [9996] 38S: IRF510 5W MODS/Output Filter
Message-ID: <199701262151.0AA14762@zia.aoc.nrao.edu>

NorCal 38-Special - 5W IRF510 Version

OUTPUT FILTER MOD

The IRF510 5W mod was added to my prototype version and bench tested carefully to address some of the reports of smoking IRF510's, chirpy output, instability and spurs every few KHz around 10MHz. This is the result of those lab tests and is PRELIMINARY at this point. I need to get my 38S packed up, taken back home, and hope to get some good QSO's on it this sunday afternoon, to verify the results in the REAL WORLD.

For clarification, below is the output filter schematic. I am designating the optional capacitor for the filter input as C501, as that is how it is labeled on the 38S PCB (right next to L3). It is shown as C505 on the IRF510 mod, 38S instruction book p. 11, but C501 on the PCB.

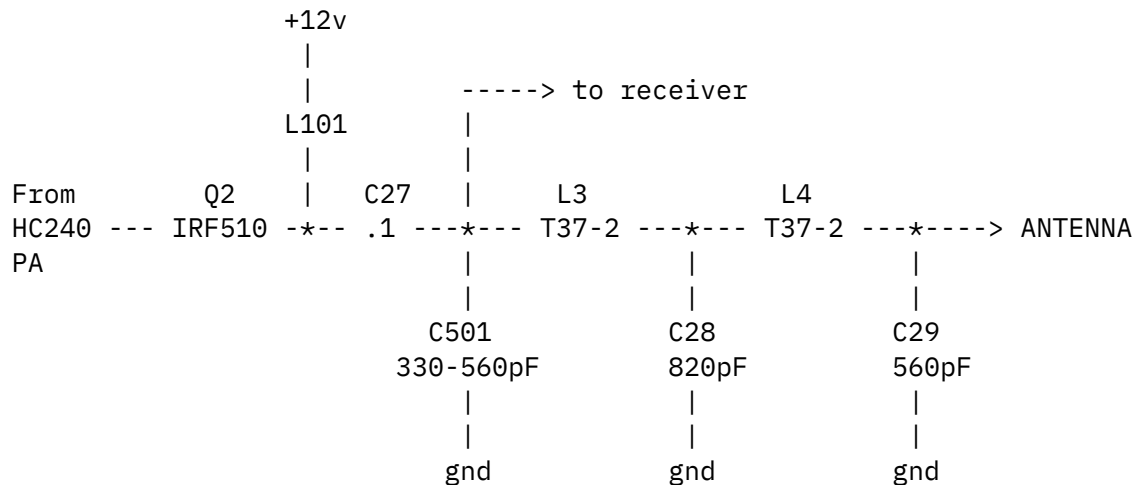
This actually consists of TWO different mods, where the second is just an extension of the first.

MOD #1 - ADDING THE IRF510 5W AMPLIFIER

1. Make sure you cut the trace as explained in instruction #1 on page 8 in the 38S manual. Failure to do this will put +12v on the HC240 outputs and surely cause destruction of the I.C.
2. Wind L101 per the instructions ... 27T on the T37-2 core. (KD7S and NA5N believe in the "wind-em-tight" method. My L101 with 27T was measured at 3.2uH with 12pF stray capacitance on a H-P 4332A L-C-R meter).
3. This IRF510 5W amplifier is based on DIRECT coupling to the HC240 outputs.
DO NOT INSTALL 18K, R101
DO NOT INSTALL .1uF, C101; place a wire link in place of C101 for direct input coupling.
4. Install remainder of IRF510 components per instructions, page 8.
5. The value of C26 should be increased from 220pF to around 330pF for $X_c=50$ ohms at 10MHz. This is easiest done by soldering a 100pF cap across C26 on the circuit side of the board.
6. INSTALL OPTIONAL CAPACITOR C501; the value should be from 330pF up to 560pF, the mirror value of output capacitor C29. (Output filter caps C28 and C29 are incorrectly labeled C25, C26 on the IRF510 schematic).
7. If possible, monitor input current to the 38S during keydown to ensure the IRF510 is not drawing >1A. If so, there's a problem. (Check the dc voltage on the gate; should be 0v on key up). Normal operation, the current draw will be 400-600mA, depending upon the HC240 drive and final output power.
8. Readjust TC2 for a compromise between maximum output power and good sounding tone in the earphones. It should not sound raspy. Or, monitor output purity on another receiver for a nice pure tone. Adding C501 also makes finding the proper TC2 tuning easier and

more distinct.

For clarification of the mods and component designations, the output filter is drawn below:



This mod direct couples the IRF510 to the HC240 output for class C operation; no current will flow until the HC240 output goes HI (>0v). Reflected power in the output filter seems to easily transfer to the HC240 input through the CMOS structure. Increasing C26 to 300pF terminates the HC240 input to 50 ohms and attenuates many of the low frequency spurs. Without C501, the 2nd harmonic was -24dBc; C501 thus restores the 2nd harmonic to -40dBc in addition to removing the spurious emissions around 10MHz and gives the amplifier stability. I see no "chirping" or phase noise with this scheme in the lab, but will verify on the air shortly.

The above MOD is MANDATORY in terms of removing R101 and C101. With capacitor coupling, R101 puts about +4v on the gate, which on a marginal IFR510, would put it perilously close to exceeding the maximum drain current when RF is applied. C501 is probably mandatory to ensure FCC compliance for the 2nd harmonic power. C501 and C26 mods together ensure a cleaner output, better filter impedance and good stability.

The above output filter was analyzed using wide band noise source and a RF Vector Impedance Analyzer (see 38S stock mod for discussion). The above output filter yields:

Zin = 36 ohms -j50 (looking into C27 towards antenna)

Zout= 48 ohms -j85 (at antenna terminal looking in)

MOD #2

This mod is a continuation of the above and is preliminary at this point until I verify its effects on the air. On the test bench, it

cleans up the output even further, gives the output filter some additional voltage gain for higher output, and moves where the antenna power to the receiver is pulled off to prevent overloading the NE602 receive mixer with the ten times increase in output power the IRF510 produces.

1. ADD an additional 200-270pF across the 820pF, C28 (for a net capacitance of C28 now 1100-1200pF, or about 1/2 the 560pF input and output capacitance of C501 and C29).
2. REMOVE C1 from the junction of C27, C501 and L3 and relocate to the junction of L3, L4 and C25. C1 is the capacitor that couples the RF to the receiver input. I physically removed C1 from the board and soldered a new .1uF on the solder side from the original C1-D1 hole to the L3-C28 junction.
3. Readjust TC2 for best tone and output, blah, blah, blah.
(REPLACE TC2 if you've adjusted it as much as I have in the past 2 days -hi).

With C501 and the extra capacitance at C28, the junction of L3-L4 is now at a lower voltage node than previously, which supplies less p-p RF voltage to receiver for a nicer sounding sidetone. It drops the MDS by about 2-3dB, but the resultant MDS on mine still measures in at -125dBm, or still plenty of sensitivity to the receiver. BUT, a little on the air will confirm this.

With MOD #2 the Zout is scarcely changed (46 ohms at -j80) and the Zin of the filter is lowered even further to 16 ohms at -j80. The 16 ohms is closer to the ON resistance of the IRF510 than previous filter Zin impedances, and the -80 degrees of (capacitive) phase shift in the filter is the same on both ends, meaning it should be stable and won't chirp. (One cause of chirp is when the input and output impedances of a filter are at different phase shifts, or capacitive values, which causes the voltages to try and normalize when RF is applied, causing the load on the PA amplifier to change and hence the output filter to cause a momentary shift in frequency - or a "chirp").

The above mod is NOT MANDATORY, and again, preliminary at this point. If you do try it, I would appreciate hearing from you. It is fairly simply to perform, and DE-perform if you have to -hi.

I was doing these lab tests late saturday afternoon and evening, and watching my QRP-L mail ring with all the traffic about working AK. And there I was, with MY 38S scattered in pieces all over the work bench (and of course no antenna here). But I was having fun.

Hope this helps some of you experiencing various forms of instability with the IRF510 mod, and always interested in the observations and findings of others.

72, Paul NA5N

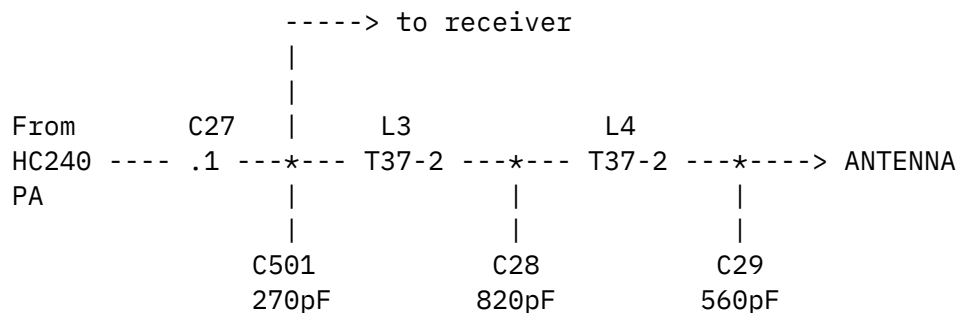
From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [9995] 38S: OUTPUT MOD for stock 38S
Message-ID: <199701262149.0AA14726@zia.aoc.nrao.edu>

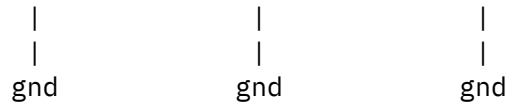
NorCal 38-Special - stock version
OUTPUT FILTER MOD

This is the result of some careful bench testing of the 38S, mostly for the IRF510 mod. The "stock" output filter for the 38S is a very good filter. The virtual square-wave from the HC240 is causing some spurious power, most of it BELOW 10MHz. Most of it is more than 30dB below the fundamental (-30dBc), but can cause a slightly elevated output power reading on most power meters. This simple mod knocks down these low frequency spurs considerably and boosts the output power of the fundamental a bit (about 1.5dB or nearly 100mW). This mod is not MANDATORY; the stock 38S is well within FCC compliance. This mod will boost the output power a bit, attenuates the low-frequency spurs (which produces the raspy sound when mistuned), and seems to make adjusting TC2 a little more distinct.

For clarification, below is the output filter schematic. I am designating the optional capacitor for the filter input as C501, as that is how it is labeled on the 38S PCB (right next to L3). It is shown as C505 on the IRF510 mod. C501 and C505 is the same capacitor. The space for it is already on the board, although no component should currently be there.

OUTPUT FILTER SCHEMATIC





MODIFICATION:

1. Add a 270pF capacitor at C501 (next to L3 on the 38S board). Any value from 200-270pF does a good job; 270pF is best. Above 300pF, output power is reduced while the overall drain current increases on transmit and the low frequency spurs are smoothed into a big power peak around 4MHz.
2. Change C26 from 220pF to 330pF. C26 is on the pin 10-11 end of U4, the HC240. It is probably easier to leave C26 alone, and add a 100pF cap across C26 on the solder side for a total of 320pF. The Xc of 300pF is 50 ohms; this gives the reflected power from the output filter and HC240 drivers a 50 ohm termination, which cleans up the output purity. C26 is the capacitor from the single HC240 driver, pin 8, to ground.
3. Readjust TC2 for a compromise between good output power and a pure tone. This mod makes the area of the pure tone a bit smaller (20-30 degrees of TC2 rotation), but also much more distinct and easier to set. (With the Tick keyer mod, you are not able to hear the direct sidetone on keydown; you'll have to adjust TC2 for best sounding output one another receiver).

SOME DISCUSSION

The output filter was injected with a wide band noise source and observed on a spectrum analyzer to "paint a picture" of the overall response. Peak power occurred around 10MHz as one would expect, with secondary power peaks occurring at 4, 8 and 25 MHz.

The output filter was then reconnected to the HC240 drivers at C27 and the input and output impedance was measured on an H-P 4815A RF Vector Impedance Analyzer, which tells you the complex impedance values, which was $Z_{in}=110$ ohms at +80 degrees (+ phase shift means it appears inductive). The Impedance Analyzer is then scanned in frequency to find the points where there is zero phase shift ... this identifies points of self resonance. This method also showed self resonance at 4, 8 and 25 MHz. The above two mods were performed and the above tests repeated, which showed the 4, 8 and 25 MHz resonance points were attenuated by 12-15dB, and the input/output impedance was lowered to nearly 50 ohms with a -85 degree phase shift, meaning the output filter now appears capacitive. With a 50 ohm dummy load added, Z_{out} went to 48 ohms at -5 degrees, or very well nulled for 50 ohms at 10 MHz.

With or without this mod, the 2nd harmonic remains at -40dBc, or 10dB better than the FCC requires.

72, Paul NA5N

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [10002] 38S: RTTY at 10.130
Message-ID: <199701262209.PAA15163@zia.aoc.nrao.edu>

In the FWIW "For What It's Worth" Department ...

I have measured the field strength of the RTTY stations at 10.130 at different times over the past week or so using a discone antenna, wideband amplifier and spectrum analyzer setup we use for our RFI/EMI monitoring. When the stations are moderately loud, they are -80 to -90dBm. When weak, but still quite discernable, they are -90 to -110dBm. Weaker than -110dBm, they are barely discernable.

The one station at 10.130 is a meteorological station in New Delhi, India (according to the "Klingenfuss Guide to Utility Stations). Most of the time in early to late evening, they seem to be averaging around -90 to -100dBm. THUS, these RTTY stations are a great built in natural signal generator for tweaking your 38S, even if it's midnite and the band is (so-called) not open. Adjust TC1 for maximum signal strength on the RTTY. Since in late evening they seem to be around -100dBm, if you can hear them, your receiver sensitivity is about right. Secondly, with no RIT or extended tuning range mods, the 10.130 RTTY should be almost at the extreme (fully CW) portion of the tuning range.

For some "advanced" applications using these RTTY ...

Tune in the RTTY. With moderate signal strength (-80 to -90dBm), it will produce about 100mVpp of audio at the audio amplifier output at U5 pin 8. You can clearly see the mark/space tones. With an rms AC voltmeter on the audio output, this will be about 30mV rms.

Tune the RTTY for peak reading on the audio output. One of the tones is now centered in the audio filter passband. Record the audio output voltage. Say it is 50mV rms. Now tune the RTTY up in frequency, just by ear, for say 200-300 Hz in tone shift. The output voltage should now be about half, or 25mVrms. This is the half-power or -6dB filter point. It will confirm that the 6db filter is indeed in the 300Hz range, and that your 38S has proper selectivity.

The RTTY stations seem to be there 90% of the time, but don't freak out if you finish your 38S at midnite and can't hear the RTTY. Try again

the next afternoon or early evening. If you still can't hear the RTTY, then freak out! The RTTY stations can serve as a good indicator of proper sensitivity and selectivity of your 38S, as well as how the band is propagating (if you hear the RTTY, then obviously signals must be capable of propagating). It's also interesting to watch the audio output on a scope or voltmeter when QSB is heavy. I've seen the signal go from several hundred millivolts of audio to ZIP in 15 seconds.

72, Paul NA5N

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [9922] 38spl
Message-ID: <32EAE3C9.4D26@pacbell.net>

What type of case is the rest of the group using??????????

Thanks rich

--

Rich Wilkerson WD6FDD, Santee, Ca.
NorCal, ARCI, Qrp-L, ECRA
scQRPions

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [9916] 448 THz QRP!!!
Message-ID: <Pine.3.89.9701252212.B10285-01000000@w3eax.umd.edu>

N3XRV came down to my house today, and in addition to taking a few toys from my stable and putting them into his, we got to PLAY with 448 THz AM!!!

In "The World Above 50 MHz" column, Feb. 1997 QST, p. 96, the feature article is about amplitude modulated 670 nm LASERS.

Guess what?

It works! Chris brought one completed station with him - a laser, a couple of batteries, an amplified speaker, a solar cell, an audio xformer, and a mic.

The laser was placed a distance of 25' from the solar cell, and the power to the laser was modulated by the mic, as played through the audio xformer.

Power? 0.95 milliwatts, which I am sure could have been used over several hundred feet. A voice, when spoken into the mic at one end, did indeed come out of the speaker on the other end.

I gotta say...I've done QRP but to hear my callsign as transmitted by VISIBLE light - now THAT was cool.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: PDouglas12@aol.com
Subject: [9929] A microphone for Chuck
Message-ID: <970126003825_375822948@emout18.mail.aol.com>

Gang,

For months (years?) our friend Chuck has been proudly saying that he has no microphone to connect up to his two Ten Tec "big" rigs. I have been thinking that this state of affairs can't go on. I recently uncovered in a lower layer of the sediment (triassic period?) in my junk box the correct Electrovoice electret mike for at least one of those rigs. It will be in the Priority Mail on Monday, Chuck. I know where you live. :-)

That is not to say we expect Chuck to put his paddles in that famous closet. However, there are contests for SSB/QRP and other activities which call for voice transmission. On such occasions, it might nice to hear that Texas accent.

Chuck, the mike works, but it could use some sprucing up. I leave that as an exercise for you.

72,

Preston WJ2V

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Joe Gervais <vole@primenet.com>
Subject: [9930] AB7TT returns, Bags AL7FS and N0IT
Message-ID: <199701260619.XAA16176@usr07.primenet.com>

Howdy Folks,

Well the family's a little larger now, and life is going pretty dang well. We're even getting some sleep at night. Sorry I've been QRT for awhile (QRP & email), but there are two things in my life that always put ham radio on the backburner - 1) Romantic interludes with the YF, and 2) The products thereof. :-)

The good news is that #2 above will all ultimately be part of ham radio themselves, so as long as #1 keeps going OK, we can count on at least a few more QRPers joining our ranks. :-)

A phone call from fellow ScQRPion Dan (KK7BD) got me back on the air at last, just in time to catch AL7FS on 20m for 2xQRP AK. Yeah I know, me and the rest of the List. But WAHOO anyway! Then I went hunting for N0IT on 30m for M0 FSFD and got him too! Problem was that he actually came back to me expecting that I understood morse code. :-) Needless to say, one week of sleep deprivation and diaper changes had left me a bit loopy. Sorry Dave, I *really* do know how to operate. Really!

OK, I've got alot of email to plow through. I'll get caught up ASAP - thanks for your patience. Glad the .38 Specials have been sprouting up - I'll be listening for you folks on 30m!

And everyone has their thermometers and mittens ready for FYBO, right? RIGHT?!? :-) Four weeks to FYBO!!!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [9877] AL7FS
Message-ID: <32E80ACF.6A87@concentric.net>

Jim is on 30 meters right now 00:19 Z at 10126. No copy here in Colo.
Abt 319 maybe ESP

Best
Jess N0TFI

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [9886] AL7FS
Message-ID: <Pine.A41.3.95.970125184423.54794B-100000@hector.NMSU.Edu>

Gang:

Jim is on 40m at about 7.0512 and working 'em like a pro. Hope you all work him.

Tim AB50U
Las Cruces, NM

p.s. It's 0146Z

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [9888] AL7FS
Message-ID: <Pine.A41.3.95.970125184811.54794C-100000@hector.NMSU.Edu>

He's now s7 on 7.0511. Guess that's good enough for 3 X 3 calls (come on guys - he knows his call!)

Tim AB50U

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: k4wz@juno.com (RON L TODD)
Subject: [9896] AL7FS
Message-ID: <19970126.024425.7631.0.k4wz@juno.com>

IAM THE NEW KID TO QRP.....HAVING FUN
WORKED AL7FS 20M AND 40 M

WORKED 20 STATES ON 160 M CONTEST.....

QRP WORKS

RON K4WZ
QRP-L 924 FISTS # 2109

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [9937] AL7FS - FSFD Volume 2
Message-ID: <32EB1C77.22A9@alaska.net>

Hello again. Volume 2 AL7FS FSFD 1/25-1/26 1997

STATE	20 meter #of contacts	30 mtr # Con.	40 mtr # Con.
Alabama	2		
Alaska		2	
Arizona	5	2	
Arkansas	2		
California	10	6	
Colorado	1	2	
Connecticut	2		
Delaware			
Florida	3		
Georgia	3	2	
Hawaii			
Idaho	1		
Illinois	1		
Indiana	1		
Iowa	2	one was mobile	
Kansas			
Kentucky			
Louisiana	1		
Maine	3		
Maryland (D.C.)			
Massachusetts	2		
Michigan	2		
Minnesota	1	1	
Mississippi			
Missouri	2		
Montana			
Nebraska			
Nevada	1	1	1
New Hampshire	1		
New Jersey	1		
New Mexico	1	2	
New York	1		
North Carolina	2		

North Dakota		
Ohio		
Oklahoma		
Oregon	2	2
Pennsylvania	4	
Rhode Island		
South Carolina	1	1
South Dakota		
Tennessee		
Texas	1	2
Utah	1	
Vermont		
Virginia	1	
Washington	4	1
West Virginia		
Wisconsin		
Wyoming		
VE3	2	
VE5	1	
VE7	2	

Looks like CA, AZ, PA and WA did best with FL, GA and ME right behind. Good job everyone.

73,

Jim
AL7FS

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
 From: Jim and Nancy Larsen <larsennc@alaska.net>
 Subject: [9982] AL7FS - FSFD Volume 3
 Message-ID: <32EBBBFE.B78@alaska.net>

AL7FS - FSFD Volume 3 25-26 January 1997

Greetings from Alaska,

I am not going to get fancy with this list. These are the log entries less time , RST, and name. The list is in order worked starting at 1845Z with AC5AM. Thanks, Bob.

FSFD - AL7FS - 25-26 Jan 1997
 25 Jan 1997
 1845Z

AC5AM	LA
KE4YH	FL
ND3P	PA
K5ID	AR
KE7IT	WA
WA1QVM	MA
W1KX	ME
N0IT	MO
N4BP	FL (KL7Y says he knows you)
KK7BD	AZ
W1GU	ME
K1CL	MA
W1VT	CT
W9KS	AR (I thought) lookup=IN
AC6KW	CA
VE3JC	VE3
W7GB	WA
WA8LCZ	MI
1945Z	
WB7QQQ	OR
N4VEF	GA
NC4H	FL
AB7TT	AZ
KD0CA	IA (My friend CIRCA 1971)
NN9K	IL
N8MOJ	MI (Nice contact, Marion, welcome to QRP)
N6XU	CA
N4SO	AL
N2YKH	NY
KC7NBM	WA
N7MFB	WA
W10E	ME
WB2VRK	NJ
N3LAZ	PA
AA1IK	NH
AB5OU	NM
AE4IC	NC
K7TP	CA
KU7Y	NV
2045Z	
KS4SQ	NC
N6MM	CA
N3KFL	PA
K6JI	CA
KF4GFR	VA
VE3REP	VE3
K0EVZ	MN (THAT S #1)
N1QQV	CT

KI7MN AZ
W0RW CO
AB7ST UT
N7KT AZ
KF6DCU CA
VE5RC VE5
K4NK SC
KS4L AL

2145Z

K4WZ GA
KF6CTA CA
VE7BGS VE7
NE6S CA
KB0TCY NO
W7MXQ OR
K0EVZ MN (THE 2 W QSO)
VE7IC VE7

2245Z

WA6RND CA
W9DZ IN
NC9F/Mobile IA
N3TM PA
W4MA GA
KM6TU CA
2345Z
W7CNL ID
KC7FWZ AZ
W5FN TX (LAST QSO ON 20 MTR, TIM)

END 0000Z

** 30 METERS**

0015Z

N2YQ NV
K0EVZ MN (THAT S #2)
KJ7JH 439 CALLED NO ANSWER
W6JDB 229 CALLED NO ANSWER
K5FO 229 CALLED NO ANSWER

END 0130Z

** 40 METERS**

0145Z

AB5OU NM
W5FN TX
AC6KD CA
N7KT AZ
WA6PBY CA
KI7MN AZ
W6JK CA
K4WZ GA
W0RW CO

N0TFI CO
KL7FH AK
W4ED GA
K7YGB OR
WB5QYT NM
N6MM CA
K4NK SC
0245Z
VE5RC VE5
K5FO TX (50 STATES AT .95 W)
K7RXV WA
N6XU CA
KD6YIX CA
KU7Y NV
K0EVZ MN (THAT S #3)
S51AG/MM MM Bering Sea
0345Z
W7KTE OR
KL7HF AK (Yes, I worked KL7FH and HF)
END 0430Z

73,
Jim
AL7FS

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [9936] AL7FS - FSFD Volume1
Message-ID: <32EB0E97.77EF@alaska.net>

Greetings from Alaska,

Thank you everyone. It was fun and I am tired after 11 hours. Here is first info.

20 meters
31 states, VE3, VE5, VE7

30 meters
2 states

40 meters
12 states, VE3, S51/MM (Bering Sea)

80 meters
No contacts

Summary:

32 states, VE3, VE5, VE7, S51/MM

Special notes:

K5FO finished 50 states with .95 watts! Congrats, Chuck!

K0EVZ worked me on 20, 30, and 40 meters. Wow! I want his antennas for my house. Good job, Doc. Write us an article on how you made your antennas.

I am heading downstairs for beef stew and then to bed.

More Later.

73,
Jim
AL7FS

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Dan Robbins <kl7y@alaska.net>
Subject: [9879] AL7FS 30m
Message-ID: <199701260034.PAA10329@calvino.alaska.net>

AL7FS now on 10125.5 trolling for qrpers. He wkd NV down there already.

40 m later. Maybe even 80 m.

Dan KL7Y

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [9891] AL7FS 7051 NOW!
Message-ID: <32E8296A.A38@concentric.net>

Hi all,

AL7FS 559 here in Colorado just worked him at 7051.1 5 watts OHR 400 es
Gap Vert. CQ CQ CQ right now....

Best
Jess N0TFI

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Subject: [9883] AL7FS on both 20 & 30!!
Message-ID: <970126011549_70511.3041_IHD53-2@CompuServe.COM>

Gang:

This has truly been a great day around here. At 2100UTC worked Jim AL7FS at 14056.6 receiving a 559. He was 579. Rig then was TenTec ARG0 556 at 5 watts. Antenna was TNT/2 Windom and MFJ-989C tuner.

Then I began to think more about it! So fired up the Sierra at 2 watts output on 20 again, and snagged him again at 2231UTC, receiving a 439. Same antenna/tuner.

Later I tracked him down on 30 with the Sierra at 0049 (1/26/97) and received a 229 to his 329. Hope to be able to get him on 40 later.

Good luck to one and all who have worked him this afternoon. Don't you wish we could have gotten him in Hawaii whilst he was on holiday? Oh well...

72/73,
--Doc/K0EVZ QRP-L #861 MN-QRP #20 ARRL

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Dan Robbins <kl7y@alaska.net>
Subject: [9921] AL7FS qrt
Message-ID: <199701260440.TAA25033@calvino.alaska.net>

AL7FS ran out of steam when 80 and 40 just quit producing. That nasty old auroral absorption moved in again. Jim will post more from his home QTH.

73, Dan KL7Y

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [9941] AL7FS qrt

Message-ID: <970126134505_70511.3041_IHD39-1@CompuServe.COM>

Dan:

I join many Lower 48 hams in thanking you for helping Jim with this great day of operating. Many of us had waited for a long time to have a QRP 2-way with AK-land. So we really appreciate having this opportunity.

Also: a big help was your posts to the reflector about significant parts of Jim's operations such as band changes and operating frequencies. It made a great deal of difference for me, for sure.

72/73,

--Doc/K0EVZ QRP-L #861 Mn-QRP #20 ARRL

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Dan Robbins <kl7y@alaska.net>
Subject: [9906] AL7FS QSY 80
Message-ID: <199701260337.SAA06464@calvino.alaska.net>

AL7FS now trying 3564 kHz. Band is open, but 80 always tough from here even QRO.

Dan KL7Y

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: tahrens1@juno.com
Subject: [9876] Alaska - when 30 & 40?
Message-ID: <19970125.180818.4887.1.tahrens1@juno.com>

I didn't catch any schedule from Jim..
was he going to get on 30?,, & when
would he be on 40?

Thanks for the BW

Tim W5FN

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [9907] ALASKA 3 BANDS!!!
Message-ID: <970126033724_70511.3041_IHD86-1@CompuServe.COM>

Gang:

Just got off 40 metres after working Jim AL7FS on 40 metres...after working him on 20 and then 30 several hours ago. Cannot remember anything more thrilling than hearing our 5 watt or less signals flying through the ether on 3 different bands in one day.

Here is my log for today:

1/25/97	2100UTC	579/559	5 watts	TenTec ARG0 556
"	2231UTC	559/439	2 watts	Wilderness Sierra
1/26/97	0049UTC	329/229	2 watts	Wilderness Sierra
"	0318UTC	229/329	5 watts	TenTec ARG0 556

That's it. And what a day. Wish I had 80 metre capability, as I understand he may head down there (based on his posts earlier this month).

Again, thanks Jim for making this fantastic day and experience available to me and all the others! I hope to be able to somehow return the favor sometime.

72/73,
--Doc/K0EVZ QRP-L #861 MN-QRP #20 ARRL

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: tahrens1@juno.com
Subject: [9875] Alaska still there - 0003Z
Message-ID: <19970125.180204.4887.0.tahrens1@juno.com>

Yahoo!! Had forgotten about Jim's expedition & come to shack to check mail.... Thanks to Jim for providing the contact, and to all the folks who said he was still on, and what time! Figured 20 had already folded... just about dark here.

Thanks again Jim!!!!

Tim W5FN

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: PaulKB8N@aol.com
Subject: [9942] Allen Bond Power Supplies All Sold
Message-ID: <970126085914_1993872456@emout10.mail.aol.com>

Sorry, didn't realize how popular these supplies would be. I had so many responses, I can't possibly answer them all. If I responded to you, you are on the list. If not, I send regrets that I couldn't help you. 72, Paul

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: KR4GL@AOL.COM
Subject: [9993] Anybody on?
Message-ID: <970126164030_1759872497@emout03.mail.aol.com>

I'm looking between 7.000 and 7.050 right now. Is anyone out there for a QSO?

I can move to 30 M quickly. Anyone playing in that end of the playground?

de KR4GL
John Foote

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: KR4GL@aol.com
Subject: [9994] Anyone there today?
Message-ID: <970126164647_715239419@emout07.mail.aol.com>

It's 2146 UTC and I'm looking around between 7.037 and 7.040.

Anyone out there that I've missed?

Anyone on 30 meters?

de KR4GL
John Foote

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jim Dolson <dolsonj@ix.netcom.com>
Subject: [9963] Argosy sold
Message-ID: <32EB9557.4FC3@ix.netcom.com>

The Argosy has been sold.
Thanks to everyone who responded for your interest.

Jim
WB8ZBD
dolsonj@ix.netcom.com

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [9990] Bow-Tie Antenna Length
Message-ID: <19970126.160232.4647.6.wb2vuo@juno.com>

If you hang the Bow-Tie, the overall length of the antenna, (between the two vertical sides) is 1.733 times the length of the side, or, if you want, the spacing between the vertical sides is equal to $581/F(\text{MHz})$.

So, if you put up a Bow-Tie for 160, 80 or 40, as a NVIS antenna (Wormburner) would you see gain over a single loop?

Inquiring minds and all that rot.....

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam
Email - wb2vuo@juno.com

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jeff Grudin <grudin@pacific.vdbs.com>
Subject: [10011] Computer Question
Message-ID: <32EBDF79.25AD@vdbs.com>

Computer type folks,

I had this problem once before when my CMOS lost its mind. Now I'm having it again and I can't remember exactly what I did last time to fix it. It keeps coming up with an error that it can't use the A20 handler and can't load the upper memory. I believe last time I found a setting in the Advanced chipset settings, but I can't seem to figure it out now. Any one know off hand? It is an AMI bios 486.

ObQRP- My FSFD log is on that computer and I need that to QSL, Hi Hi.

Thanks.

72 de Jeff AC6KW
grudin@vdbbs.com

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Dave Adams <adamscian@netgate.net>
Subject: [9927] Dayton: Who's got the rooms?
Message-ID: <32EAF26C.CE7@netgate.net>

Greetings! Anybody know who is handling the room blocks for Dayton?
Anyone want to room with a california-based ex-pat hoosier?

73 de dave, n9uxu/6

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: wager@juno.com (James W. Cates)
Subject: [9957] Dec. QRPP
Message-ID: <19970126.085341.6846.24.wager@juno.com>

To those of you waiting for your issue, if it is of any consolation, I
have not received my copy either. As far as I know, neither has anyone
in Sacramento. But, we keep the faith, USPS.

Happy Super Bowl Day! jim, WA6GER.

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [9992] Doug H., email address?
Message-ID: <01IE08PCZ1QA8WWEN3@tntech.edu>

Sorry to post this... but tried Doug's email address from his
message
posting and it bounced.

Doug,

unwrapped the kit last night.. it looks really good.

I did find that the following parts were misssing:
14- .1 caps (C5, C12...)

1 100pf cap (C22)

thanks & 73

Jeff M. Gold, AC4HF
1751 Dry Creek Rd.
Cookeville, TN 38501

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [10003] FS keypads/project boxes
Message-ID: <Pine.GS0.3.95.970126170628.1637B-1000000@destrier.acsu.buffalo.edu>

I have 10 grayhill 16 button keypads mounted in pac-tec boxes.
included is a circuit board with 3.579545 crystal and a TCM5087N
dtmf decoder chip on it. These are brand new, originally designed for
medical equipment "video overview keyboard" by mennen medical.
\$5 each or \$40 for all ten.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
Subject: [9945] FS unbuilt St Louis tuner
Message-ID: <26JAN97.10363670.0012.MUSIC@MARISTB.MARIST.EDU>

I have a St Louis tuner, unbuilt. I am asking 80 dollars for it plus
postage.
Tnx
Fr Bowes

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Pete Meier WK8S <pmeier@tir.com>

Subject: [10013] FS: 49er kit and other stuff
Message-ID: <199701262340.SAA17786@tir.com>

I have a 49er kit unbuilt that I don't think I'll get around to building so if someone would like it I would like \$25 plus shipping.

To help align I also have a Radio Shack DX-390 w/bfo, LCD display and direct frequency entry. It is a nice unit and almost new with original box and manual. I never seem to use so would like \$165 plus shipping.

One more item not getting enough use is a Timewave DSP 59+ with latest firmware upgrade. Original box and manual and in like new condition. I would like \$175 plus shipping.

Email me privately if you are interested.

Pete WK8S pmeier@tir.com

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Pete Meier WK8S <pmeier@tir.com>
Subject: [9895] FS: DX390 SW RCVR
Message-ID: <199701260237.VAA23991@tir.com>

I have almost new Radio Shack DX390 Short Wave Receiver that gets used very little. I believe it is a Grundig with RS label. It has direct frequency entry, bfo for cw and LCD display. Price is \$170.

Pete WK8S

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [9939] FS: Empire Of The Air
Message-ID: <Pine.A41.3.95b.970126003701.74576A-100000@homer14.u.washington.edu>

This is the book (authored by Tom Lewis) that the video documentary of the same name was based on. Is very good reading of the early history of wireless, amateur radio, radio broadcasting, and television. Chronicles the transition from the eras of individual achievement to government intervention and corporate manipulation. Triumph to tragedy, from the turn of the century through 2 world wars, it's nearly all here. Presented in a manner befitting a master's thesis with facts, figures, dates, and references yet with a style that

engages one's interest. It helps you to understand that the amateur radio hobby has always been, and will continue to be, in a state of transition.

Out of print in the easier to read, larger paged, hardbound edition. I have 2 of these in excellent condition for sale at \$25.00US each, includes shipping. Comes with library style plastic covered covers. Also have 1 paperback edition for sale at \$10.00US shipped. Cover price shows \$16.00US, \$22.50CAN for the paperback edition.

If there's sufficient interest I will collect names and draw from a hat this coming Tuesday evening. Send email stating your preference for the hardbound or paperback edition. 73 and good reading!

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Byron8LCZ@AOL.COM
Subject: [9913] FSFD - MICH SAT REPORT
Message-ID: <970125230202_241388562@emout20.mail.aol.com>

Hi Gang,

The QRN gets louder and the DX gets better.

Just before the 17m Mich time slot, i tried some QRP DX on 17m to see what the condx were like. Worked LA9SJA in Norway, QSB was bad. then N5MOP in Idaho, QSB again.

For 5 hours this am, i worked 17m, heres the results:

AC6VN	CA	100w	
WA1QVM	MA	4w	new 2-way QRP on 17m
AI1I	MA	100w	
N2YQ	NV	100w	
K7TP	CA	5w	
WA4OKE	TN		
NF0S	ND		new state on 17m
W6TVP	CA	300w	our sig reports were within one s-unit of each other

Where did all the FSFD guys go ?

then went looking for Alaska on 20m:
AL7FS AK 5w new 2-way QRP.

Have worked 49 states QRP and 42 states 2-way QRP on 20m. The only state I need is Indiana ! Go figure.

If more of you had been on 17m, you too, might have worked the North Dakota station

Dont know if he was QRP

72, Byron WA8LCZ Detroit

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: GREGOIRE@endor.com

Subject: [9975] FSFD MANTANA

Message-ID: <Chameleon.970126142015.GREGOIRE@Gregoire.endor.com>

Hello Gang,

I hooe you folks on the left coast are hearing KJ7UN ok,

I did manage to work her but in 229, QSB,QRM, conditions.

de AA1IK, Lead by example.
Ernie Gregoire

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202
QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

01/26/97 14:17:39

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: "Laura" <sputnik@imt.net>

Subject: [10001] FSFD Montana - Whew!

Message-ID: <199701262207.PAA11379@cu.imt.net>

FSFD Hunting Crew:

My most heartfelt apologies to everyone who tried so hard to hang in through the QRM and the QSB to QSO with me on the bands. I tried so hard to get you all, but it was very difficult. I've never been so nervous and the problems I had were very distressing. I've never felt like such a lid!

Thank you so much to everyone that tried and especially to those who had to slow way down and repeat and repeat and repeat...(well, you get the picture). I'll post my log in a bit. If Jim H. would like, maybe I can work some week night on 40 M yet for those that still want to try. This was a great experience for me and again I thank you all!

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA
sputnik@imt.net <http://www.imt.net/~sputnik>
GHRC / ARRL / NORCAL / 10-10 # 68896
FISTS # 2785 / MARC / QRP-L # 790

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "John Shuster" <jshuster@ix.netcom.com>
Subject: [9991] FSFD WA
Message-ID: <199701262105.NAA28624@dfw-ix6.ix.netcom.com>

Hi Jim and list:

I'm calling CQ now on 14.050 or thereabouts at 13 wpm.

Will continue from 2100 to 2200Z.

CQ FSFD WA DE K7MP K7MP K7MP K

John

++++
Father John Shuster, Married Roman Catholic Priest jshuster@ix.netcom.com
Need A Priest? Rent-A-Priest! 1-800-PRIEST-9 A Free Referral Service
At the foot of the Olympics in little Port Orchard, WA
K7MP ARCI 8951 QRP-L 554 ARS 36 NW QRP 346 WWDXC ARRL
++++

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Bob, W4ED" <rbe@atlanta.com>
Subject: [9960] FSFD-MT
Message-ID: <32EBCD3A.4A1C@atlanta.com>

Is it just me ?

I haven't heard Laura on 40m or 30m yet....

--

Bob 72/73

W4ED x_AE4CA nr Atlanta @EM73wt
...."QRP", more from less....
:EMPS QS0s=84 STATES=28/7 DX=?? ~~~~~

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From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Stew Whitehouse <76443.501@compuserve.com>
Subject: [9880] FSFD: Alaska finally!
Message-ID: <199701251950_MC2-102D-7047@compuserve.com>

Finally worked Alaska. Hooray, Hooray, Hoooooraaay!!!
First time heard after four years of searching. Pounced
on a few xLxx calls but they always turned out to be in
Texas or N.C. etc.

Jim (AL7FS) had a real good 559 signal into Florida
and the digital crap layed off long enough for a QS0.
Thanks Jim and all the people doing the FSFD work
for us.

Chuck, I hope you got him too.

Laura, I need a Montana QSL card so I will be looking
for you tomorrow!

72/73 Stew KE4YH
Dunedin, Florida

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Stew Whitehouse <76443.501@compuserve.com>
Subject: [10008] FSFD: Bravo Zulu Laura
Message-ID: <199701261743_MC2-1033-1E08@compuserve.com>

Hi Folks,

Boy, talk about a trooper, Laura has hung in there all day! I bet she called CQ a kazillion times and probably won't stay awake till half-time :-) She had a really good signal into Florida on 15 meters but I had to put the headsets on and do some work to contact her on 20 meters. Never did hear her on the other bands, but I heard other stations work her on 40 and 30 Meters.

Neither my local packet BBS (SAMS) or DX Cluster (BUCKS) listed your call Laura so guess you'll have to put your mailing address out to the list for all those QSL cards that are coming your way. Remember folks, SASE is the way to go.

72/73 Stew KE4YH
Dunedin, Florida

Bravo Zulu = Navy talk for; "Thank you for a job well done"

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Dan Robbins <kl7y@alaska.net>
Subject: [9918] Going toquit at 0500z AL7FS
Message-ID: <199701260407.TAA15358@calvino.alaska.net>

I was not hearing anything on 80. I am still working people on 7.051

I willride it out to 0500z and then quit.

Details later.

Been Fun.

Congrats to Mr Adams.

73,
Jim
AL7FS

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: George Gingell <k3tks@u1.abs.net>
Subject: [9899] HAMBREW, We will miss you.
Message-ID: <Pine.BSI.3.93.970125214252.7675C-100000@u1.abs.net>

George,
Just a note of thanks and appreciation for the wonderful Publication.
I received my WINTER 1997 HAMBREW in the mail this week. It really is
another fine piece of work. I also received my subscription refund :-)
today with your letter explaining why. We are going to miss HAMBREW.
It is a shame that one of the clubs could not have picked it up for
their own newsletter. I guess that was just not ment to be. Again, I
thank you and your staff for all that you have given us.
Sincerely, from another "Let George Do it!"

QRP DX TU (C) 1986 G. Danny Gingell, K3TKS@.abs.net
Maryland Milliwatt QRP Reference Library, (301)572-7564

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: n4so@juno.com (CHARLES K BROWN)
Subject: [9892] HEARD ISLAND
Message-ID: <19970125.202018.4959.3.n4so@juno.com>

Need the frequency and time of any 20M or 40M Heard
Island contacts during the next couple of days.

Ken Brown, N4SO
QTH Near Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "John Shuster" <jshuster@ix.netcom.com>
Subject: [9889] Heathkit OP-1 Scope
Message-ID: <199701260153.RAA08395@dfw-ix7.ix.netcom.com>

To All:

I picked up a non-working but cleanly built Heathkit Scope, model OP-1, in
a spare parts/junk buy.

The guy is still looking for the manual so I can troubleshoot it.

It says it is a "Professional" model on the metal label on the back.

So, do I have a drifty boatanchor here? Is it a 5 MHz scope? I hope he can find the manual. The tubes glow nice when you plug it in, but no trace on the screen.

I may have saved him a trip to the junk yard, but maybe not.

Thanks,

John

++++++
Father John Shuster, Married Roman Catholic Priest jshuster@ix.netcom.com
Need A Priest? Rent-A-Priest! 1-800-PRIEST-9 A Free Referral Service
At the foot of the Olympics in little Port Orchard, WA
K7MP ARCI 8951 QRP-L 554 ARS 36 NW QRP 346 WWDXC ARRL
++++++

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [9909] Help wanted
Message-ID: <199701260345.UAA12256@dancris.com>

I have 2 notes on my guestbook from folks that are not on the list. I am posting them here in hopes someone has the information and can respond to them.

1. Rusty, KE4VBB, wants to know if anyone knows of a 6 mtr kit or a set of plans to build a 6 Mtr xcvr that would be akin to the 49'er, something for no-code techs to learn on and practice with. Please respond to him at RLeee@aol.com.

2. Rick, KE0GB is having problems getting the VCO in a Ramsey FX-440 UHF transceiver to oscillate, and would like some solution other than sending it back to Ramsey. Please direct responses to him at RickH2745@aol.com.

I know this probably isn't qrp, but help wanted is help wanted.

Ob qrp...worked AL7FS on 20 and 40 with the TenTec ArgoII at 5 watts. Bigger deal than working Peter I at 80 watts! Thanks Jim for spending a weekend day and evening doing this, and thanks to Jim Hydzik K3QIO for organizing this FSF, not to forget all the operators who have been on and will be on. What a blast!

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: k5vp@earthlink.net (Kevin Potter)
Subject: [9928] Help wanted
Message-ID: <v01540b01af109e1591de@[206.250.92.76]>

>1. Rusty, KE4VBB, wants to know if anyone knows of a 6 mtr kit or a set of
>plans to build a 6 Mtr xcvr that would be akin to the 49'er, something for
>no-code techs to learn on and practice with. Please respond to him at
>RLeee@aol.com.
>

Please, also, posts 6 meter responses here!

Kevin

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Dave Adams <adamsclan@netgate.net>
Subject: [10014] HW-8 troubleshoot advise needed
Message-ID: <32EBF57F.1947@netgate.net>

Greetings! I'm trying to coax a HW-8 back to life. At first, nothing
buy the audio amp worked...then the transmit section was an easy fix.

Now, the problem is that it doesn't receive...only hiss from the
phones. After fixing a fried ic (ic2) a couple toasted diodes and
innumerable bad solder joints, I discovered the HFO was not working...so
I replaced Q6 (MPS6521...I used an NTE123AP) and immediately 20m started
to play...it's even aligned (indicating that the rig DID work at one
point in it's life which is contrary to my theory). There was NO change
on the other three bands, however, leading me to believe the HFO is
still out on those bands (though all the q6 voltages are appropriate).
So...the manual indicates that diodes d22-29 should be checked (I
did...they seem fine), diodes 1-8 (again fine...except d7 which is for
20m and reads as a short...very odd since that is the WORKING band), and
finally check the crystals...okay...I don't have a clue how to check the
crystals? Pointers? Anyone have any other spots they might recommend
checking?

73 de dave, n9uxu

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>
Subject: [9981] I love Laura!!! (Missed AK but got MT) Sent 88's (87?)
Message-ID: <3.0.32.19970126150038.0068588c@pcc-uky.campus.mci.net>

Folks,

Never thought I'd get (or hear) Montana from Ky since I don't have a beam for 15M but her melodious fist came right out of nowhere at 19:33Z so I hit the mountain-top 40M dipole (1,250 ft. from rig!) with 5 screaming watts 21.121 MHz and that beautiful gal heard me...bless her heart! Both 339's with waves of QSB but she hung in there...what an op!

I was feeling pretty low...not being able to operate yesterday and get AK (and almost everybody in the U.S. got AK but me ;-(...and Chuck's consoling words didn't help) but Laura lit me up again. Might get lucky and hear her on 40M tonite when band goes long to the west!

Nice to send an 88 (what the heck is QRP for 88?) for a change, and I am so glad we have some gals on here. BTW, I missed AK cause I had to take my little girl (10 yrs.) to an all day cheer-leading event....what a sacrifice... may be years before I get the opportunity again.

Thanks Laura,

de KC40 QRP-L #322
Roy Boggs Prestonsburg, KY

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>
Subject: [9998] I love Laura!!! (Missed AK but got MT) Sent 88's (87?)
Message-ID: <3.0.32.19970126165225.0069605c@pcc-uky.campus.mci.net>

Folks,

Never thought I'd get (or hear) Montana from Ky since I don't have a beam for 15M but Laura's melodious fist came right out of nowhere at 19:33Z so I hit the mountain-top 40M dipole (1,250 ft. from rig!) with 5 screaming watts 21.121 MHz and that beautiful gal heard me...bless her heart! Both 339's with waves of QSB but she hung in there...what an op!

I was feeling pretty low...not being able to operate yesterday and get AK (and almost everybody in the U.S. got AK but me ;-(...and Chuck's consoling words didn't help) but Laura lit me up again. Might get lucky and hear her on 40M tonite when band goes long to the west!

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Thanks Laura,

de KC40 QRP-L #322
Roy Boggs Prestonsburg, KY

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: [9997] Johnson MatchBox Answer
Message-ID: <199701262152.NAA17941@dfw-ix8.ix.netcom.com>

Greetings,

In my quest for the ideal tuner for QRP, I found a mint, pristine & just out of the box Johnson MatchBox at a local ham-fest. It's the small one with a meter and SWR bridge...\$175.00...gulp!

Question: WILL THESE UNITS TUNE THE WARC BANDS?

Before starting the negotiation process, I better find out about it's tuning range since it's band-switching control ONLY indicates the original 5 bands...80,40,20,15 & 10M.

Anyone have one of these boatanchors?
Craig, AA3MD

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [9873] KL 80M Net Report
Message-ID: <32EA9DE9.6E0B@amsat.org>

Hi Gang,

Here's the report from last Sunday's KnightLites' Roundtable, January 19th, 1997. This session was pretty challenging, due to two beacons which were close to the net frequency. The band was "long" again this week, which made it difficult for close-by stations to hear each other.

Thanks to all of you who braved tough operating conditions to check into the Net. A special welcome to newcomer Henry, AE4MX, from Raleigh, NC. Some of us met Henry recently at the Greensboro Hamfest.

We hope to hear you this coming Sunday on 3710 KHz any time between 0230 and 0400 UTC (9:30-11PM EST). The NCS will be using our new club call, KF40GA.

The following folks checked into the Roundtable last Sunday:

K1CL	Chuck	Chelmsford,	MA	5W	559	G5RV
AC4ZO	Jeff	Cary,	NC	7W	599	80M Dipole
VE3SP	Ron	Hamilton,	ON	5W	449	Butternut Vert
K2SJB	Dave	Ithaca,	NY	5W	599+15	Zepp up 25'
W3AW	Kirk	Canton,	OH		449	
WD9CTB	Jerry	Floyd Knobs,	IN	3W	549	80M Inv Vee
K3QIO	Jim	Wilmington,	DE	500mW	439	80M Dipole
AE4IC	Bob	Greensboro,	NC	5W	339	80M Loop
KC40	Roy	Prestonsburg,	KY	5W	579	80M Dipole
WA8LCZ	Byron	Warren,	MI	5W	439	Gap Vert
K4NK	Les	Greenville,	SC	2W	449	80M Sloper
WB4LZQ	Kim	Piedmont,	SC	5W	559	80M Dipole
WB0CLD	Bill	St. Charles,	MO	5W	449	Vert with cpoise
WA4NID	Dave	Durham,	NC	5W	339	McCoy Dipole
AE4MX	Henry	Raleigh,	NC	5W	339	
AA4XX	Paul	Raleigh,	NC	5W (NCS)		OCF 80M Dipole

Please send any corrections to aa4xx@amsat.org. Hope to CU soon on the KL Roundtable de Paul, AA4XX.

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [9882] mail down/hd crash/badgers
Message-ID: <8D0C463.00040000A8.uuout@cheaha.com>

Looks like some badgers got into one of my bbs's hard-drives and kinda crashed it. Yeah, like picked it up and slammed it against a cement slab. Anyhow, I've lost a 2-gig hd and accompanying data.<groan> Well,

I've got the mail going again, but I lost a lot of mail. If you're expecting a reply from me it might not make it to you. I know there was some mail waiting to be answered. Sorry.

May be a quirk or something, but this is the second fairly good-sized Quantum SCSI hd to go down on me in the past 2 years....I've got a Micropolis SCSI that has been running steadily for over 4 years. Won't be another Quantum SCSI coming around my house. I've never had much trouble out of Quantum IDE's, though. I just thought I'd share that with ya'll, FWIW.

Computers have their *moments* don't they. :(

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

```

+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: "Laura" <sputnik@imt.net>

Subject: [10006] MT FSFD Log

Message-ID: <199701262225.PAA12123@cu.imt.net>

31 Total QSOs: 2 on 40, 22 on 20 and 7 on 15.

No contacts on 10, 30 or 80.

Montana FSFD QRP WAS Log

January 26, 1997

Band	Time	Z	Call	RST	RST	S/P/C	Name
			I gave		rec'd		
40M	1641	n7kt	339	479	az	Roger	
	1653	k7tp	449	339	ca	Grover	
20M	1838	wa0uig		559	559	ia	Russ
	1844	aa1ik		339	229	nh	Ernie
	1850	ab5ua		359	539	ok	Clif

	1855	ac5am	559	449	la	Bob	
15M	1904	ke4yh	559	539	fl	Stew	
	1907	w2dp	559		nj	Bill	
	1914	ks4hy?	339	339	nc	Bob	
	1925	w4ed	599		ga	Bob	
	1937	kc4o	339		ky	Roy	
	1945	aa8eb	249	359	oh	Mike	(whew!)
	1948	wd8rif	239	549	oh	Eric	
20M	2004	w4ed	569		ga	Bob	
	2020	ki7mn	359	559	az	Bob	
	2021	w1me	449		me	George	(whew!)
	2032	aa8eb	449	569	oh	Mike	
	2036	w2dp	449	229	nj	Bill	
	2040	ab7tt	599	449	az	joe	
	2044	n4bp	449	339	fl	Bob	
	2055	kd0ca	339	539	in	Jerry	
	2056	ve3jc	239	539	on	John	
	2101	n6vz	559		ca	Garry	
	2109	k4nk	559	339	sc	Les	
	2115	w7kxb	599	599	az	Bill	
	2120	ke4yh	459	339	fl	Stew	
	2123	k6ji	559	569	ca	Dennis	

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA
sputnik@imt.net <http://www.imt.net/~sputnik>
GHRC / ARRL / NORCAL / 10-10 # 68896
FISTS # 2785 / MARC / QRP-L # 790

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [9976] My First NC38S to NC38S QSO
Message-ID: <199701261930.LAA27263@sierra.psnw.com>

I just enjoyed my first 2-way 38 Special to 38 Special QSO with non other than Roy Gregson, W6EMT. I caught Roy around 10.106 and tail-ended his QSO with another station. Signals were a bit on the weak side because we're too close (both in California) but it was solid copy. Roy's rig sounded great. Thanks Roy for my first 2-way. So, who is going to organize the first 38 Special QSO party?

=====

Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com

=====

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [9923] NC38S no-scope tune-up trick
Message-ID: <199701260523.VAA09443@sierra.psnw.com>

I didn't install the original sidetone circuit in my NC38S because I went straight for the TiCK sidetone. As a consequence, I couldn't tune TC2 for *best sounding sidetone* as suggested in the manual. I figured my antique EICO scope would be good enough to do the job. Wrong! It has about a 4 mHz bandwidth. So I found another way to do the job. Here's what I did.

I took my main station rig (Icom IC-728) and fed a 10.110 mHz signal through my MFJ 948 transmatch to my Butternut HF6V-X roof-mounted vertical. I adjusted the transmatch VERY carefully so there was absolutely no sign of any reflected power whatsoever. Then I switched over to my 38 Special and adjusted TC2 for zero reflected power while simultaneously listening to the signal on my Icom. The cleanest sounding signal corresponded exactly with zero reflected power. In other words, most (if not all) of the spurious output is gone. About five degrees of TC2 rotation, one way or the other, will cause the reflected power on the transmatch to begin showing up again. Another five degrees and the signal starts to sound cruddy again in the Icom. Your mileage may vary but it sure works for me.

Now, on to another problem. While I have no sign of chirp, even at five watts output, I have noticed that when I begin sending from a cold start there is slow downward frequency shift of about a 150 Hz. After about twenty seconds of transmission, it stabilizes. However, if I stop sending for more than about five minutes or so, it starts all over again. Something is heating up but I can't find the culprit. Does anybody else have this problem?

=====

Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com

=====

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [9987] NC38S-parts???
Message-ID: <01IE07P6BF5W8WW8WU@tntech.edu>

well finally had some time and started to scrounge through my many
unsorted junk parts piles for the parts for the three mods (and
thanks to Brian Short for posting the info.. really appreciated
it.

I managed to find most of the parts.

can't find a IRF510.. any substitutes, if not it is only \$2 from
RS.

for the power mod it calls for a 18 K resistor, can I get by with
a 21.9K?

for the Tick it calss for a 270K and a 560K, can I substitute a
220K and a 470k (available at RS)?

the only other part I need is the 1 K pot (can't I use a 10k with
a 1k resistor in parallel?)think that would make it pretty close.

then only would leave me a 6.8 uh molded choke.

the problem is the parts places usually have min. or charge a
bunch for postage.

anyone have a choke and the 3 resistors they want to sell?

anyhelp and suggestions will be greatly appreciated.

73
Jeff, AC4HF

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "John Shuster" <jshuster@ix.netcom.com>
Subject: [9970] Need WA for FSFD? Email me.
Message-ID: <199701261845.KAA19859@dfw-ix7.ix.netcom.com>

I've become such a solder head that I don't even know who's playing in the
Super Bowl and I don't care.

In fact, I have business paperwork to get done before tomorrow morning, so

I'll be working at the desk with the rig on listening to CW as background music. Now I'm a CW solder head.

If you need Washington state for FSFD, email me with a frequency and I'll get on 20 meters. If I get enough responses, I'll camp out for an hour or so and announce the frequency on the list.

I'll plan on starting around 2000Z, high noon.

John

++++++
Father John Shuster, Married Roman Catholic Priest jshuster@ix.netcom.com
Need A Priest? Rent-A-Priest! 1-800-PRIEST-9 A Free Referral Service
At the foot of the Olympics in little Port Orchard, WA
K7MP ARCI 8951 QRP-L 554 ARS 36 NW QRP 346 WWDXC ARRL
++++++

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: gsurrency@juno.com
Subject: [9925] New Ten-Tec Rig Sounds Gud!
Message-ID: <19970125.222442.8934.0.gsurrency@juno.com>

Well Gang, just worked Chuck, K5F0 tonight on 40m as he was signing with Dan, KK7BD. He was using the new TT 40m rig, and it sure sounded FB to me. No chirp, no detectable drift, and a good clear CW note.

Chuck, you were a good 559 on QSB waves, but almost lost you as we signed since the band was getting long. I was on the indoor dipole and the TAC-1 with my homebrew keyboard. Sounds like you did a good job building it. Thanks for the QSO.

Then I went down to 80m and heard AL7GQ in Co. calling CQ QRP. Seab, AA1MY got him instead of me. I called several times, but to no avail. Nice call sign, tho. And Seab's callsign is almost the same as mine!

So I called CQ a few time on 3.555MHz and got no replies and pulled the plug. Either my 80m is just too low, or nobody was listening! QRN wasn't too bad here, and heard a few others on the band, but not a lot of activity. Need to get more folks on 80m before the summer QRN season gets here.

72,

Gary Surrency
AB7MY

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
Subject: [9955] NORCAL, OTHER URL's needed since "C" drive crash.
Message-ID: <19970126161905.AAA8070@LOCALNAME>

THANKS TO ALL FOR RESPONSES... BUT I'M IN NEED OF THE WEB ADDRESSES FOR NORCAL... AND ANY OTHERS YOU FOLKS MIGHT HAVE HANDY. The "C" drive "fawdowngoBOOM" and it's really a drag rebuilding the files and links. (BACKUP... MEEE????) Thanks for any assistance, folks. 72 =s= "Seab" Lyon, AA1MY
Bethel, CT; FN-31-HJ;
ARCI#9253; QRP-L#574;
ARRL; QCWA; B.C.I.

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9903] OHR Exp2 40M Retired
Message-ID: <199701260320.DAA09068@chuck.dallas.sgi.com>

Well, it was bound to happen. The Oak Hills Research Explorer II 40M version tonight on 40M worked AL7FS at 0250UTC 7.051MHz. That makes all 50 states at 0.95W from this QTH. The last one is always the hardest. Been there and done that.

Jim heard me on 30M with the GM-30 but I could not hear him due to background noise in Dallas. You get that many critters living in one place using all those new fangled TVs and computers you do have some noise. I had my computer off but that was not enough.

So had the OHR on the antenna, the 7.040 xtal osc with 9V battery going and the TenTec on a dummy load. Got the TenTec going and decided to try one last time to with the E2 to look for Jim at 7.051 as posted. Hadn't heard a peep earlier even though Tim P. in NM had to rub it in that he got him. OK Tim I may be slow but I did get there. :-) ;-) Were you using my tuner? Shame.

So the OHR E2 has been taken off the desk. Now the

TenTec at 2.0W will take me off into the wilderness of DXCC starting at 0 as of now. Only 360 to go. You gotta have goals. Thanks to Dick Witzke at OHR for the designs, the fun he and all the others have given us. That's why we are growing.

But this posting is not about the 50 states. It is about relationships. Relationships that this group has created, fostered, and grown over the years. We are not in this alone. Ideas abound in this group. Enthusiasm abounds in this group. Let it not die. Pass the flame and pass the gift on for all to share.

So, my heartfelt thanks to Jim, AL7FS, who gave up Babylove V and Start'em Trek and a Saturday to give many of us either their first AK on some bands or at some power level. I had AK on 40M at 2W, but not at 0.95W. He heard me on 30M, I was that close to 3-band WAS @ 0.95W, but patience is what it is all about. There is tomorrow and the day after.

Many of you are working on the 50, either for the first time as QRP or the second or the Nth, where N is large. Good luck to one and all. Building is good, experimenting is good, but operating and getting RF from point A to point B, IMHO, is what it is all about. Let's work 'em.

For those that came close. Don't give up. It will happen, it just takes time. Time - the universal way to keep everything from happening at once.

Testimonial mode off. Back to the badgers.

dit dit

50/49/50 40/30/20 !!!!!

SIG

Chuck Adams K5FO adams@sgi.com

http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: talljazz@teleport.com (Dan Presley)

Subject: [10004] old oscilloscopes

Message-ID: <v01530514af11870e3b4f@[206.163.124.41]>

A question-now that I have a 'few' radios, and a 38s waiting for me I'm feeling the need for a scope. I ran across some old guys-Heathkit & Eico that are working, but was told that I would need a 100Mhz range for rf work-these only go to about 500 KHz. Are they of any use to me? (price is right!)

Dan N7CQR

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: Pete Meier WK8S <pmeier@tir.com>

Subject: [9893] QRP Banquet Ticket Now Available!!!

Message-ID: <199701260237.VAA23987@tir.com>

Ok Gang,

the tickets for the Annual ARCI QRP Banquet are now available! For \$15 dollars we are serving up a wonder meal, some fine door prizes and a chance to break bread with some QRP dignitaries (that's you and me)! Plus we'll have a guest speaker to round out a great evening.

So when and where? It's Friday May16,1997 at the Days Inn South in Miamisburg, Ohio. It's just minutes south on I-75 from the Dayton Hamvention. Price is just \$15 for a evening you just don't want to miss.

Tickets are available now. Send a check or money order payable to Pete Meier, 4181 Rural, Waterford, Michigan, 48329. Please include a S.A.S.E. or an address label for ticket return.

The QRP Banquet is a part of F.D.I.M. (Four Days In May) that's all happening at the DAYS INN SOUTH in Maimisburg, OH.

Pete WK8S

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: Tony Fishpool <101573.3220@CompuServe.COM>

Subject: [9978] Rig Mods - JST245

Message-ID: <970126191339_101573.3220_IHK132-1@CompuServe.COM>

Hi all,

That well known QRPer Ian G3R00 has asked me to put out a plea for help with the JRC - JST245. He needs info about opening it up for general coverage transmit.

Also, as he is busy developing ideas for our new 73Khz band he would like to hear

from anyone who has got the receiver working below 100Khz. With the kind of antenna efficiency you get at this frequency, this is serious QRP!

If anyone can help, could you either telephone him direct or via my e-mail address.

Ian's number is +44 1304 821588 (international)

or

01304 821588 (from the U.K.)

Thankyou for the bandwidth.

Kind Regards

Tony - G4WIF

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>

Subject: [9988] St Louis tuner SOLD

Message-ID: <26JAN97.16986421.0067.MUSIC@MARISTB.MARIST.EDU>

Tnx but the tuner has been sold.

Fr Bowes

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: haf47@juno.com (HOWARD A FRIEDMAN)

Subject: [9874] Sturdy project box

Message-ID: <19970125.190001.4455.1.haf47@juno.com>

Hi Gang, I'd like to offer a suggestion to the ever growing list as to a box for our projects to live in.

For many years I have been using the data switches that many of us use for our home computers. You know, the ones that have a two to four position switch on the front, to switch one serial output to two or four peripherals.

The knob on the front is always (in my experience) centered vertically, and is usually off a bit to one side horizontally. The knob may be saved and used for tuning after the box is gutted. After the 25 pin DB connectors are removed in the back, the resulting holes might get in the way for the connectors you are installing. I solved that problem by

"covering" the back panel with a piece of sheet metal cut from a section of galvanized stuff I found at Builders Square. I've noticed Home Depot has it too. The metal I bought is in the heating department. It's call "Half Rectangular" heating duct, and measures 12 inches wide in three foot lengths. More than enough for many projects (or many mistakes) for \$2.36.

After cutting to size, I hold it to the box with 4-40 hardware before I drill my new holes. Home Depot sells there own brand (cheap) of spray paint and primer and the end result is really nice.

I buy every box I can find at hamfests, price I pay runs from 1 to 4 bucks. Computer shows in my area sell them new for \$4.95 to \$8.95.

Well, that's my two cents.....and since I'm waiting for my 38s, would somebody be kind enough to tell me the dimensions of the 38s PCB? I hoping one the little data boxes will be big enough to provide a comfortable home for it!

Thanks for reading es 73, (I'm still not sure what 72 means. sigh) Howie

haf47@juno.com
WA2AFD @ WA2UMX.NY

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Ed Manuel" <n5em-qrp@msn.com>
Subject: [9965] Superbowls (Not real long but not QRP either)
Message-ID: <UPMAIL06.199701261806090659@msn.com>

Rick,

There is no explaining why you have an ex-Californian up there with you in the frozen north. That he didn't know to come to Texas explains a lot, but I digress.

You mentioned "his country's superbowl" but apparently do not know the historical and cultural significance behind it. I thought a few words of explanation would be helpful to all the non-native yankees on the list.

First, realize that the superbowl is not a game (but you already knew that, I bet); it is the great American (as in US American) morality play. It is centered around football which is woven into our culture to make the morality play work. You must make the connection between American business and the football team.

>From our very beginning, we championed the Great, Rugged Individualist. In a colony where only the strong survived, we even had our cultural myths about the GRI - Paul Bunyan, Pecos Bill and John Henry. But we had to begin to change that cultural celebration when we found the GRI carrying 6 guns and shooting up the old west (and, in particular, our great 19th century American Businessman), nearly into the 20th century. So we developed sport to breed the best of the GRI but channel it into a team environment and, ultimately the great American Business Machine (no, not IBM!).

Today, football is the measure of your preparedness to serve the ABM. Our corporate ranks are full of quarterbacks, fullbacks, halfbacks, tailbacks and a variety of lesser backs. Now, if you didn't actually PLAY football, we still use your knowledge and enthusiasm about the sport to check your sincerity. You are still expected to understand, keep track of the scores, know the stars and throw superbowl celebrations, even though you would probably be in the hospital for a month if you dared to play the game (hence, the simple explanation for your neighbor's wild party - it has to be wild, of course, to satisfy the "sincerity" requirement).

The few who excel in the sport to such a great extent that they become professionals are used to reinforce the absolute cultural imperative of the morality play. We pay them millions of dollars a year to demonstrate several important rules of American Business. (Remember the analogy to business - it's all lost if you start thinking of this as a sport and a game).

1. You must be the best you can be - no matter what it takes. You don't need to know how to read and write to play the game - just be bigger, stronger and faster than the next guy (you don't think we allow WOMEN to play, do you?).
2. You must not forget that you play on a team of GRIs who are supposed to be the best that they can be. Therefore, all that business about being the very best is secondary to the good of the team. Never forget that we can always find 11 GRIs who will play as a team and beat the living c... out of you.
3. You may make millions of dollars a year to play but you don't own the team. There is one who is greater than you because he writes your paycheck and can drop you from the game altogether, if you forget your place.
4. You are a great example to all of the world and must live an exemplary life free from vice, corruption and immorality (greed is still OK). You are constantly monitored by the keepers of truth (the media) who will find all your faults. If, however, you fail and are CAUGHT, all is not lost. A repentant spirit and a 100+ yard game next Sunday will overcome much sin.

In real business, we let weak teams fail and be devoured, but we learned long ago that it sets a bad example in the morality play if we let loser teams be savaged by their fans so they are all back next year, regardless of how

miserably they did this year. They are, however, required to pay huge fines in the form of new star player salaries to show good faith in their effort to make the superbowl next year.

This is, admittedly a superficial explanation of this event. Remember it took us thirty years to get it developed to this high state of spirituality.

I hope that that helps and allows you to fit in at the superbowl party you are apparently obliged to attend.

The Pack is Back.

Ed, N5EM
(Former home of the superbowlless Oilers)

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Pete Meier WK8S <pmeier@tir.com>
Subject: [9894] Ten Tec Enclosures???
Message-ID: <199701260237.VAA23982@tir.com>

Where can I find out what size Ten Tec Enclosures are available and where can I buy them. Obviously I can get them from Ten Tec but do they offer a catalog listing them? Who else carries them?

Pete WK8S

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9898] TenTec 40M QRP QSOs now available
Message-ID: <199701260248.CAA08877@chuck.dallas.sgi.com>

Gang,

Got it all together and on the air.

Starting at 0330UTC 1/26/97 (that's tonight for the chronologically empaired :-)) until I can't stand up no more or the diet coke wears off.

7.041 and up to 7.051MHz. 2.0W out for this one, so you won't have to crank up the audio and get blasted by the noise.

Any other finish theirs up? It really turned out nice. I have to research it and get back posting tomorrow, but the receiver is good and they used a single J310 for the receiver mixer. Neat trick.

Full report tomorrow. I'm gonna work some guys. Working on KL7 on 40M as we speak. You gys guys to the north aren't playing fair. Take down the barbed wire in NM.

dit dit

SIG

Chuck Adams K5FO adams@sgi.com

http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: wylde@nccn.net (Grover, K7TP)

Subject: [10012] Three cheers for Laura

Message-ID: <v02130500af11979a0b76@[205.139.74.160]>

She bravely hung in there in the face of incredible QRM - nice work.

Grover

Kilowatt Seven Tiny Power (kind of an oxymoron)

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: wb8ygg@juno.com (Bradley S. Mitchell)

Subject: [9986] TiCK orders 38S etc.

Message-ID: <19970126.152904.9071.0.WB8YGG@juno.com>

Ok, well, I finally got my 38S on the air.

Made a contact, got the TiCK working, and now when I get a few minutes, I can look at the mod a little closer for the TiCK to sound louder in telemetry mode, and maybe tone down the sidetone a bit.

Embedded Research (Gary, N2JGU and myself) have been very busy programming parts, and stuffing kits etc.

It's been a learning experience, and we think we're starting to almost catch up with the chip orders, still a bit behind with the

TiCK/board and TiCK kit orders. Please bare with us , and we'll get caught up.

Anyway, I really think that the 38S is a great rig! I was pleased to make a contact on the first call. It's really neat to see a chip that you've had a major part in the design/manufacture and sales of being designed into the rig. Neat stuff!

Well folks, have fun with this, and send Norcal your thanks!

73 Brad WB8YGG
Embedded Research
<http://www.vivanet.com/~gmdsr>

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: GarySehne@aol.com
Subject: [9953] Tour of MFJ
Message-ID: <970126111014_1578731613@emout03.mail.aol.com>

I just started a new job which took me out to training at one of my company's remote design centers in Starkville, Miss.

I dropped by MFJ during lunch & was pleasantly surprised by the friendliness of the whole group from the receptionist who quickly volunteered to arrange a tour for me to the excellent tour given by Tom Stone of MFJ.

He took me through the entire line and was as knowledgeable as if he designed each and every one of their products. Lots of emphasis on the line on their 6m rigs as well as a good diet of various HF & VHF tuners, evidenced by their acreage on the assembly benchtops.

The best part was a demonstration of their DSP, where Tom demonstrated the ability of the unit to separate out an RTTY signal into 2 separate streams of marks & spaces, with absolute brickwall silence between the two. Fantastic unit, continuously adjustable analog knobs into the DSP, lots of features!

I noticed several folks banging away on keyes & keyers during the checkout of their equipment (and they had good fists too!). Tom explained that they're encouraging all their test folks to have at least a tech+ license (Hurray!)

I shared some of my mods & criticisms with some of their products, and he listened intently & suggested some solutions that were already done or in

consideration.

He also helped me obtain some components that I needed to repair some of my MFJ equipment & invited me back.

I couldn't leave empty handed, so I bought the regenerative SW radio kit (they are selling them fast & I got the last kitted one until the next batch)

I compliment MFJ for their friendliness & willingness to give a tour on a moment's notice (it was lunchtime on a Friday). A special word of thanks to Tom Stone who made my week in Starkville memorable. I'm looking forward to visiting them again.

So if you're down in Starkville, drop by and say hello.

Naturally, I have no commercial interest in MFJ...blah, blah....(standard disclaimer)

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: w8lrm@qtm.net
Subject: [9900] Trying to hold list.
Message-ID: <199701260304.WAA02057@garcon.qtm.net>

How do I get this thing stopped while I go on a short trip?? Every thing I have tried comes back.

.....de....W8LRM.....Al

MI-QRP #41 QRP-L #532 QRP-ARCI #6524
G-QRP #4152 NOR-CAL #246 CQC #289 (EN62RE)
>From Southwest Michigans Sunset Coast:
Saint Joseph, Berrien County, Michigan !

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Michael Connor" <mikec@primenet.com>
Subject: [9964] TT rig on the air..
Message-ID: <199701261748.KAA02042@primenet.com>

Gang,
Got the TT rig completed late last night

and after some final tweaking will be on
around 7.040 most of the day.:-)
Looks like a good one.:-)

Anybody heard Laura yet?

Mike
NQ7K
Phoenix, AZ.

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [9954] VK0IR QRP, ok NOW I am happy!
Message-ID: <Pine.SUN.3.95q.970126091520.22516F-100000@ume>

While reading my QRP mail 9am local the VK0IR finally started to move the
S meter on 40 meters (as predicted by propagation software). As you mid
west and eastcoasters faded away the "short window" for grey line
propagation (about 10 minutes all week, I am told by those who could be at
home between 9 and 9:30 am this week) opened up.

In between reading email messages worked him 7007 qrp cw. YEA!
In fact, it was MUCH easier (using the optimal condx described) than the
long path 20 meter qro contact yesterday!

Rig: icom 751a (5watts) to inverted vee at 58 feet apex (ladder line
feed, of course)

Ok, now I can concentrate on the 38 S.....

Dr. Rick Zabrodski BSc, MD, CCFP(E) MRO * VE6GK
Clinical Assistant Professor * NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: cc013@ccosmo.net (Cosmo Computers)
Subject: [9932] Wanted Index Labs QRP+
Message-ID: <19970126070858944.AAA210@alan>

Hello There,

I would like to buy a Index Labs QRP+.....73, Lee cc013@ccosmo.net

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
Subject: [9935] WANTED: KC-2
Message-ID: <19970126075016.AAA9799@LOCALNAME>

I LOST MY REFS WHEN I BLEW UP THE OLD "C" DRIVE, AND NEED THE SOURCE OF
SUBJECT MARVEL. (MY MEMORY WENT EVEN BEFORE THAT) PLS ADVISE... THANKS
AGAIN, GROUP! =S=
"Seab" Lyon, AA1MY
Bethel, CT; FN-31-HJ;
ARCI#9253; QRP-L#574;
ARRL; QCWA; B.C.I.

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: N3BJ@aol.com
Subject: [9948] What's the best QRP xcvr kit (emphasis on rx) ??
Message-ID: <970126102742_1446189568@emout08.mail.aol.com>

Lots of choices out there and just wondering what different opinions are on
the Sierra vs. S+S Engineering vs Oak Hill vs. anything else.... Could
someone distill this down for me, especially interested in rx selectivity,
dynamic range, and overall performance. Price is secondary to performance.

Appreciate the feedback.

Alan, N3BJ

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [9887] When AL7FS on 40?
Message-ID: <970126014840_70511.3041_IHD34-1@CompuServe.COM>

Gang:

Can someone post when Jim AL7FS is expected ot 40 this evening, and
possible frequencies? Thanks one and all!

72/73,
--Doc/K0EVZ QRP-L #861 MN-QRP #20 ARRL

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [9885] Where's Jim?
Message-ID: <Pine.A41.3.95.970125183704.54790A-1000000@hector.NMSU.Edu>

Anybody heard Jim lately? Which band and what freq? Dang noise level!

Tim AB50U
Las Cruces, NM

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [9878] WM-2 Wattmeter building problem.....
Message-ID: <8D0C451.000400008F.uuout@cheaha.com>

Help!

I'm just finishing up putting together my OHR WM-2 wattmeter and I've suddenly ran into a problem. To get to the very end and.... :(

When I try to adjust R14 for a full scale 100mW reading the needle doesn't move. The needle is pegged out on the 100mW end of the scale and doesn't react to any adjustment of R14. I've got 2.51v showing on the volt meter. 10W shows an "almost" fullscale 10W reading. 1W gives a pegged out reading. When the switch is switched to the 100mW scale the needle drops and then bumps back quickly to where it was pegged out on the 1W scale. Any help you could give me would be *most* appreciated!

Kinda "bahhh..." getting to this final stage and having to stop. I mean, all I gotta do when I get R14 squared away is clip a jumper, put the cover on, hook it up and *really* see just how big of a gun my NC40a is!<g>

Tnx fer the help.

72/73
Ed Welch KF4KRV
QRP-L #873
Luverne, Alabama
Crenshaw County - Grid EM61

+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [9967] WM2-Wattmeter completed, aligned, etc.,...
Message-ID: <8D0D2D7.0004000120.uuout@cheaha.com>

Well, folks I got a quick reply via email from Dick, KE8KL, at OHR regarding the problem I was having getting the 100mW scale to adjust properly. Seems the kit had no problem at all.....just one between my ears!<sheepish grin>

Seems that I was "reading" that I needed a 2.51v reading when the manual clearly and plainly shows that I need a .251v reading. Well, after receiving the reply from Dick I quickly logged off the computer, grabbed the VOM and wattmeter and did some adjusting to both. Man, it was easier than falling off a slimy log getting that sucker adjusted!!!! Everything looks like it's ready to put inline with my NC40A and see the blistering power that that rig puts out!!!

The kit is a very nice kit. Solid. Good manual(look out for the placement of decimals though! I really thing the badgers moved that sucker on me...you know, a little white-out here and dot of ink there...). Easy to read meter face. Now to hook 'er up and see what's cooking. Tnx to everybody that replied to my origianl plea for help!!!

72/73
Ed Welch KF4KRV
QRP-L #873
Luverne, Alabama
Crenshaw County - Grid EM61

+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [9956] XMLog
Message-ID: <32EB8A1C.119E@pacbell.net>

Someone a few weeks ago listed a site to get the radio log program XMLOG. I have lost the site address. Can someone please tell me the address? Thanks rich

--

Rich Wilkerson WD6FDD, Santee, Ca.
NorCal, ARCI, Qrp-L, ECRA
scQRPions

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [9985] Re:2-Way NC38S QSO (I goofed)
Message-ID: <199701262032.MAA01087@sierra.psnw.com>

Well, earlier I reported having a 2-way NC38S to NC38S QSO with Roy, W6EMT and I said Roy was in California. Wrong! Roy is in Washington, my home state. Lets see, here I am, a "7" call in 6-land and Roy is a "6" in 7-land. I'm not sure I'll ever get this stuff figured out. Sorry for the error.

=====
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
=====

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [9919] Re: 38S Choke changing made easy. Longish.
Message-ID: <19970125.201158.4951.15.DWink@juno.com>

On Sat, 25 Jan 1997 13:32:34 -0700 "Bob Follett" <bfollett@ditell.com> writes:
>Gang:
.... (ker- SNIP!)...
>Oh. I would like to tune the VFO lower. (currently 10.109 to .129) I
>put a
>1.8uH in series with the 6.8, and made it down to 10.083 ummm, not so
>hot. Any ideas...

Bob,

Easy as pie. Add 5 turns to the choke. Here's how.

Orient the choke so that it reads correctly from left to right. The Yellow (4) band is on the left, silver on the right. Cut a 2 1/2 " (2" will probably be ok) piece of wire- I used 28 gauge from a 3 pak I got at Radio Shack years ago. Take the enamel off both ends. Make a tiny loop in one end and slip it over the RIGHT hand lead of the choke (the one with the silver band) and snug it up to the choke. Solder it. Clip off the remainder of the choke's lead. Consider this end of the choke the BOTTOM, and stand it up. Looking DOWN at this thing, wind the wire around the choke CLOCKWISE for 5 turns. The wire fits nicely into the narrow middle portion of the dog-bone shaped choke. I measured 6.6 uH with 5 turns, 7.05 uH with 6 turns, and about 7.5 uH with 7 turns. Your mileage may vary. Start with 5 turns. Put it in the circuit and see if the coverage is what you want.

If the frequency is higher than you started with, then your turns go the wrong way- you have reduced the inductance from it's nominal 4.7 uH. Perhaps your choke is from a different manufacturer. Or maybe they don't orient the color code the same way on each choke. Re-wind in the opposite direction. Try again. (NOTE: we may need a thread/vote on which way works-- CW or CCW) (Murphy probably flipped my choke around 180 degrees just before it came to the banding portion of the assembly line!)

When you're happy with your frequency range, put some epoxy on the choke to hold the turns. Or hot melt glue, nail polish, Q-dope, airplane cement or model paint. I'm sure you can do partial turns with this technique, too. Just dress the wire lead off at right angles to the body of the choke. Secure it when you've got what you need.

Can't wait to start building mine; just can't stop reading this %^\$#%\$ list! And I just gotta try to do something better for the crystal filter, so I need to do a little breadboarding first...

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA

-----whom the gods would destroy, they first make proud -----

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: Jim Bennett <jbennett@ebmud.com>
Subject: [9926] Re: 38spl
Message-ID: <32EAEC99.3765@ebmud.com>

Rich / WD6FDD asked:

> What type of case is the rest of the group using??????????

I've got mine in a blue-on-white case from a local electronics supply store. It measures 2.5H x 4W x 5.5D. If I build another one, I'd go just a tad bigger. I had to use my Dremel tool to carve away a bit of the board edge in two places to clear the innards of some panel mounted parts (key jack, tuning pot, etc.) No big deal, but some work that could have been avoided with a box .5" deeper.

```
*-----*
|                Jim Bennett / W6JHB                |
|                jbennett@ebmud.com                  |
|                Martinez, CA                        |
|                                                     |
|  NWQRP #431      QRP-1 #596      ARRL Life Member  |
*-----*
```

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: launerb@crl.com (William H. Launer)
Subject: [9943] Re: 38spl
Message-ID: <v01530500af11141e9e8d@[192.0.2.1]>

I used a Radio Shack case, Cat. No. 270-253a. It's 3 X 5.25 X 5.875.
There is plenty of clearance, with room to work in.

72/73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-1 #279 qrp arco #3551
Grid Square EM48RT

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9946] Re: A microphone for Chuck
Message-ID: <199701261439.0AA09830@chuck.dallas.sgi.com>

Preston, WJ2V,

Oh no. It'll be like the Wolf Brand Chili commercial. I can just hear the gang holler 'get a rope'. :-)

The microphone will get spruced up and I'll try it out. I keep telling people that I do not have an accent and I know that I'm right.

Ya'll have to send me email reminding me of when those SSB QSO parties are going on. I have a mental block when reading sometimes. :-) ;-)

I'll do photo and put it on the web page just to show that it does exist and this is not a ploy to tease the group.

I use the glue gun on everything now.

dit dit or do I now have to use 'over and out'?

SIG

Chuck Adams K5F0 adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [9949] Re: A microphone for Chuck
Message-ID: <Pine.SUN.3.90.970126072939.28130A@vortex.sage.dri.edu>

On Sun, 26 Jan 1997, Chuck Adams wrote:

> dit dit or do I now have to use 'over and out'?

Just as long as it ain't "10-4 good buddy", I think you'll be OK!

Roger Doger on that, catch you on the flip side...

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Roger Hightower <rhight@primenet.com>
Subject: [9890] Re: AL7FS
Message-ID: <32EABB7C.7295@primenet.com>

Jim is still there at 0156Z....pretty near the noise, but copyable.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more
to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jim and Nancy Larsen <larsennc@alaska.net>
Subject: [9984] Re: AL7FS - FSFD Volume 2
Message-ID: <32EBBEAF.606E@alaska.net>

Hi Allen,

Column error. Volume 3 should be more clear. Which just goes to show
how hard it is to be 100% accurate. I already caught one typo on
callsigns, too. My apologies, Allen. Yes, I did work IN on 20 meters
and only 20 meters. It was some guy with a callsign of W9DZ and I sent
him 339 and received 359. :-)

73,

Jim
AL7FS

Allen Jones wrote:

>
> At 11:57 PM 1/25/97 -0900, you wrote:
> >Hello again. Volume 2 AL7FS FSFD 1/25-1/26 1997
> >
> > 20 meter 30 mtr 40 mtr
> >STATE #of contacts # Con. # Con.
> >
> >Indiana 1
>
> Jim . . . You worked at least 1 Indiana station on 20M also.
> I had you at 2252 UTC on 14.057
> Tnx much.

>
> 73 . . Allen Jones - W9DZ
> Michigan City, IN
> ajiones@adsnet.com

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [9931] Re: AL7FS gg to 30M?
Message-ID: <32EAFDDD.3892@alaska.net>

Jay & Jackie wrote:
>
> I'm waiting on 30m for AL7FS...will he show?
>
> jay W6JDB

That was a shame, Jay. I copied you 229 and set rst and info. No
reply at 0048Z. KJ7JH and K5F0 were also sent info but no response.

Thanks for being there for the try.

I did get N2YQ in NV and K0EVZ in MN on 30 mtr.

73,

Jim
AL7FS

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9944] Re: AL7FS qrt
Message-ID: <199701261431.0AA09781@chuck.dallas.sgi.com>

Dan, KL7Y,

Thanks to you for loaning the station to the QRPers. We all know
how you big-guns are with all that aluminum. :-) I keep telling
the QRPers that the antenna is just about everything.

You will probably have ruined Jim for life. I was kidding Phyllis
last night after she came running across the house to see if I was
alright in the middle of the QSO with Jim on 40M. I was kinda hollering,
laughing, and carrying on like a wild hog in the forest and she came

a runnin' to check it all out. I told her that now that I had AK it was time to put up the 175' tower and enough aluminum to make it look like a 747 was hovering over the QTH and buy one of those new ALPHA amps. She didn't know whether to laugh or cry at the time.

I came back and told her it was a joke. Now I can just put up the 75' tower and she'll be happy that I didn't go overboard. :-)

So, I'm sure that Jim went home thinking of all the kinds of things that he could do with a similar antenna system in the backyard.

But the whole day was exciting for the list and I know that Jim probably worked over 100 stations. AK is rare. Tell the rest of the hams in AK to listen for the "little guys" with the low power and the big hopes of being heard among the pileup I'm sure you guys generate. Maybe you could have 'em all set aside a QRP-only day and not work anyone running high power. AK is probably only slightly behind ND and WY during SS as being most wanted. :-)

73 es dit dit and we really appreciated it

OK, where in the world is MT?

SIG

Chuck Adams K5FO adams@sgi.com

http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: Bob Hightower <ki7mn@dancris.com>

Subject: [9950] Re: AL7FS qrt

Message-ID: <199701261549.IAA25421@dancris.com>

>At 07:40 PM 1/25/97 -0900, you wrote:

>AL7FS ran out of steam when 80 and 40 just quit producing. That nasty old
>auroral absorption moved in again. Jim will post more from his home QTH.

>

>

Thanks very much for letting Jim use your setup. Those of us who might not, or never, have gotten AK on qrp are truly grateful. It's been real fun.

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9884] Re: Alaska - when 30 & 40?
Message-ID: <199701260138.BAA08679@chuck.dallas.sgi.com>

Tim,

He was on 30, he is now on 40M around 7.051MHz.

Come on down. 0130UTC and after.....

Freq was clear down here.

dit dit

CC qrp-1
SIG
Chuck Adams K5FO adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [9904] Re: ANT: NEC4WIN Vert modelling & rambling
Message-ID: <Pine.SOL.3.94.970125215848.19702E-100000@utkux4.utcc.utk.edu>

NEC4WIN is a public domain version of MININEC 3 with a Wondows interface. As such, it is comparable in power to ELNEC, W7EL's DOS-based version of MININEC, or K6STI's MN portion of A0. MININEC 3 is subject to several limitations:

1. It is limited in the total number of segments that may enter into calculations.
2. Horizontal antennas must be at least 0.2 wavelengths above ground for reasonable accuracy.
3. Do not expect accuracy from vertical antenna models, since development of good radial systems is diffiicult at best and plots over perfect ground are highly misleading.
4. Angles of 90 degrees in wires require segment length tapering toward the angled junction for resonable accuracy, making loops, rectangles, quads, and other such antennas more difficult to model accurately.

K6STI and W7EL have features that overcome some of these problems. For example, ELNEC has a means of tapering elements segments toward a specified junction that automates the task, but gives the user control over the minimum and maximum lengths. ELNEC also has some ground system provisions.

EZNEC, NEC-Wires, and NEC-Win Basic are NEC-2 programs. As such, they are not limited in the ways in which MININEC is limited. It has a high accuracy ground, handles all but the tightest angles well, and has provision for using transmission lines with antennas. However, NEC-2 has its own inherent limits. It does not produce accurate results with adjacent wires of different diameters--and requires special adjustments (automated in some programs) to substitute a comparable single diameter wire.

Feedback from experienced users seems to indicate something like the following: ELNEC/EZNEC provides one of the easiest interfaces to use in setting up an antenna model and modifying it, with many shortcuts to adjusting wire angles and lengths. K6STI's programs permit the use of formulas in setting up wire lengths and relationships, which is handy for some. NEC-Win Basic is a Windows-based NEC-2 that makes use of the graphical capabilities inherent in that system. I have used all of the programs (and others).

Among new programs is EM Scientific's MININEC for Windows, which is an advanced proprietary version of a totally revised MININEC by Rockway and Logan. It claims to overcome virtually all of the problems of the public domain version of MININEC in a Windows interface. My copy has not yet arrived.

Compared to other programs, NEC4WIN's evaluation software is a bit of a toy, relative to serious antenna modeling. We shall see what the fully capable program has to offer when it arrives. However, as an introduction to what is involved in modeling, it may be an inexpensive tutorial. Just do not assume that all output values are accurate to reality until you have done a fairly good load of modeling and get a good feel for the program possibilities and limitations.

-73-

LB, W4RNL

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Clay N4AOX <wyn@worldnet.att.net>
Subject: [9999] Re: ANT: NEC4WIN Vert modelling & rambling
Message-ID: <32EBC357.1A67@worldnet.att.net>

L. B. Cebik wrote:

>

> NEC4WIN is a public domain version of MININEC 3 with a Wondows interface.
> As such, it is comparable in power to ELNEC, W7EL's DOS-based version of
> MININEC, or K6STI's MN portion of A0. MININEC 3 is subject to several
> limitations:
> 1. It is limited in the total number of segments that may enter into
> calculations.
> 2. Horizontal antennas must be at least 0.2 wavelengths above ground for
> reasonable accuracy.
> 3. Do not expect accuracy from vertical antenna models, since development
> of good radial systems is diffiicult at best and plots over perfect ground
> are highly misleading.
> 4. Angles of 90 degrees in wires require segment length tapering toward
> the angled junction for resonable accuracy, making loops, rectangles,
> quads, and other such antennas more difficult to model accurately.
>
>
> Compared to other programs, NEC4WIN's evaluation software is a bit of a
> toy, relative to serious antenna modeling. We shall see what the fully
> capable program has to offer when it arrives. However, as an introduction
> to what is involved in modeling, it may be an inexpensive tutorial. Just
> do not assume that all output values are accurate to reality until you
> have done a fairly good load of modeling and get a good feel for the
> program possibilities and limitations.
>

Hi L.B.,

If you have corresponded with the publisher of NEC4WIN you may understand that the software in public domain is somewhat limited. The purchased version addresses some of the weaknesses you mention, although I am not sure about the auto-optimum-meshing. ORION has a ver. 1.6c which is free for the asking that addresses some of the earlier evaluation version instabilities. Also the authors provide work-arounds for some of the residual problematic areas. You are correct to point out that there are more serious modelers and that NEC4WIN may seem like a toy or an inexpensive tutorial in comparison. This was the point I was trying to make about the term "better". Obviously you get what you pay for unless you share a site license.

72/73,
Clay N4AOX

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Bob Roach <KE4QOK@worldnet.att.net>
Subject: [9973] Re: Dummy Loads and the use thereof
Message-ID: <19970126185852.AAD10390@LOCALNAME>

At 08:32 PM 1/25/97 +0000, you wrote:

>I don't mind a tuner upper if:

>

>

>a). It is kept short (1 sec).

>b). The freq is not in use. Should have checked.

>c). They call CQ after tuning up!

>

I agree here with the occasional exception of c). I have sat down to the rig before and heard someone I wanted to work just as soon as the audio came up, so I had to slide off to quiet spot to tune up and then back to the partie/frequency of interest.

But generally speaking what you say is right, especially on qrp where cantacts are more sparce. It is frustrating to hear someone tune up and disappear.

(o o)

-----o00_()_00o-----

73 es TNX

KE4QOK Real radios glow in the dark.

Bob Power is no substitute for skill.

If it stayed up last winter, it was too small.

136 Hermitage Rd.

Newport News, Va. 23606 KE4QOK@worldnet.att.net

(757)930-0348

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997

From: Steven Carr <ae4yq@intrex.net>

Subject: [9911] Re: Empirical findings on my 38S!

Message-ID: <32EAD5A1.34E6@intrex.net>

> So

> I went with plan C --- heat each hole and while the solder tip is still

> touching the hole, accelerate the board and tip vertically downward -- and

> slamm on the brakes, stopping the board before it crashes into the

> counter, but propelling the loose solder off the board into little globules!

> (Hey, it worked!).

I accidently got solder in the pads for the 5pF cap while soldering on the xtal. I considered this technique as well, but hated to subject my personal 38special to g-testing. The holes are rather big, so I heated the solder up from the bottom and, from the top, gave a quick blow. It worked. I hope this doesn't mean that I'm full of hot air!-)

Steve, ae4yq

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Bill Todd <bill@techline.com>
Subject: [10005] Re: FSFD WA
Message-ID: <1.5.4.32.19970127102126.006662fc@mail.techline.com>

At 01:04 PM 1/26/97 -0800, you wrote:

>Hi Jim and list:

>

>I'm calling CQ now on 14.050 or thereabouts at 13 wpm.

>

>Will continue from 2100 to 2200Z.

>

>CQ FSFD WA DE K7MP K7MP K7MP K

>

>John

Jim -

I think our "turn" as Washington's FSFD event is on February 16th.....
not today.

CUL, Bill-N7MFB

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "William R. Colbert" <v31xe@dzn.com>
Subject: [9908] Re: Hawaii beacon -chirpsounder
Message-ID: <32EAEF33.43D9@dzn.com>

Most chirpsounders I have seen, made by BR Communications and later by TCI out of Mt. View area of California, run up to about 20 watts. They are computer driven and use an all frequency inverted vee type dipole. The computer can be preprogrammed to limit the amount of frequency coverage. For example, if being used on a SSL HF Direction Finder system (which most of the ones I have seen are) they are set to run 4 to 20 or 22 Mhz, and there may be several associated with each system. They provide calibration to the system at about 1500km intervals. Pricing for the system is in the 100K range. Not really a beacon, but an ionospheric range tracker, providing the optimum angle of radiation calculation from the target areas to the DF site. How many are out there?

I have no idea - probably the contractors would be the only ones that would know. Oh, these little transmitter systems do the same things as the often cussed and discussed F,S,C,U,O beacons of recent postings. Ray.

--

72/73, Ray Colbert, W5XE, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "William R. Colbert" <v31xe@dzdn.com>
Subject: [9917] Re: Hawaii beacon -chirpsounder
Message-ID: <32EAF481.6985@dzdn.com>

This is a resend as the original bounced from some Canadian site. Please excuse if this did make it to the list the first time.

>

> Most chirpsounders I have seen, made by BR Communications and later
> by TCI out of Mt. View area of California, run up to about 20 watts.
> They are computer driven and use an all frequency inverted vee type
> dipole. The computer can be preprogrammed to limit the amount
> of frequency coverage. For example, if being used on a SSL HF
> Direction Finder system (which most of the ones I have seen are)
> they are set to run 4 to 20 or 22 Mhz, and there may be several
> associated with each system. They provide calibration to the
> system at about 1500km intervals. Pricing for the system
> is in the 100K range. Not really a beacon, but an ionospheric
> range tracker, providing the optimum angle of radiation calculation
> from the target areas to the DF site. How many are out there?
> I have no idea - probably the contractors would be the only ones
> that would know. Oh, these little transmitter systems do the
> same things as the often cussed and discussed F,S,C,U,O beacons
> of recent postings. Ray.
> --72/73, Ray Colbert, W5XE, SOWP 1064M
> (also af852@rgfn.epcc.edu)
> El Paso, Texas

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [9897] Re: HEARD ISLAND

Message-ID: <32EAC589.5FF@pacbell.net>

CHARLES K BROWN wrote:

>
> Need the frequency and time of any 20M or 40M Heard
> Island contacts during the next couple of days.
>
> Ken Brown, N4SO
> QTH Near Mobile, AL
> QRP-L #622
> n4so@juno.com

Please post to group.. Thanks

--

Rich Wilkerson WD6FDD, Santee, Ca.

NorCal, ARCI, Qrp-L, ECRA
scQRPions

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: Roger Hightower <rhight@primenet.com>

Subject: [9912] Re: HEARD ISLAND

Message-ID: <32EAD75D.4911@primenet.com>

Try 14024 now..0400Z 1/26. Wrking 8's just a bit ago.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more
to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: Roger Hightower <rhight@primenet.com>

Subject: [9914] Re: HEARD ISLAND

Message-ID: <32EAD800.60A3@primenet.com>

The Heard Island Web Page with current spots is at:

<http://www.clinet.fi/~jukka/heard.html>

Reload often for up-to-date spots.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more

to come.

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: GREGOIRE@endor.com

Subject: [9969] Re: HEARD ISLAND

Message-ID: <Chameleon.970126133652.GREGOIRE@Gregoire.endor.com>

Hello Charles.

The date was 01/25/97, @ 0256 utc,, 7.007, 7.009.3 split.

de AA1IK, Lead by example.
Ernie Gregoire

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202
QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

01/26/97 13:36:45

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: Bob Roach <KE4QOK@worldnet.att.net>

Subject: [9972] Re: High tech secure comms

Message-ID: <19970126185852.AAC10390@LOCALNAME>

At 07:33 PM 1/25/97 +0000, you wrote:

>Note to all you security enthusiasts. What digital mode has no fixed packet
>or cell length, carries no header identifying its originating address, will
>travel anywhere anonomously, and can only be triangulated with comparatively
>large, and not very portable antennas? Answer: QRP mode Morse.

I knew it was good for something!!!!!!!!!!!!!!

(o o)

-----o00_()_00o-----
73 es TNX
KE4QOK Real radios glow in the dark.
Bob Power is no substitute for skill.
 If it stayed up last winter, it was too small.
136 Hermitage Rd.
Newport News, Va. 23606 KE4QOK@worldnet.att.net
(757)930-0348

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [9881] Re: IMHO?
Message-ID: <19970125.170721.4951.0.DWink@juno.com>

In My Humble Opinion, someone needs to make and post a dictionary of these things. I've got most of them figured out, but "ob QRP" is still opaque to me.

SFTBW (figure it out) (hint- it's a common closing comment)-

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA

-----whom the gods would destroy, they first make proud -----

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [9920] Re: IMHO?
Message-ID: <Pine.OSF.3.95.970125231929.11652E-100000@vela.acs.oakland.edu>

On Sat, 25 Jan 1997, Daniel C Winkler wrote:

> I've got most of them figured out, but "ob QRP" is still
> opaque to me.

No problem Dan!

I brought the ObQRP over here in the first place. It's a handy little tag (and a friendly reminder) the this IS the QRP list. Not the "Dayton WX," "Q-dope," "Switching Power Supplies (you old timers remember that one!)," "Neverending CW debate," or the recent "Musical frequency" list.

It means, Obligatory QRP content. You can add one to ANY message and it automatically is an "approved" QRP post. It also is invaluable to save face for folks that HAVE to reply to an off-topic post and insist on copying the reply to the entire QRP-L.

THIS very message is a good example!

73 =paul= W8KC

ObQRP: Gee that 160M contest is kinda fun! I cranked the C1 down to 5W and just started sweeping up the band. I made a couple dozen Qs in just a half hour, and almost every one gave me a 599!!! :-)

Boy, This new call is the GOODS, too! I'm not much of a contester but I should/could be with the improvement from WB8ZJL!!!

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Bob Roach <KE4QOK@worldnet.att.net>
Subject: [9971] Re: IMHO?
Message-ID: <19970126185852.AAA10390@LOCALNAME>

At 01:54 PM 1/25/97 +0000, you wrote:
>In My Humble Opinion, someone needs to make and post a dictionary of these things. I've
Hi Dan,

I saw a file a long time ago that had all these sorts of things along with all the smiley faces ectera, you can make on the keyboard if you are seriously interested you might check the text files on a CD. I seem to remember it was about three pages long.

got most of them figured out, but "ob QRP" is still
>opaque to me.

I vote for the dictionary (the big fat one) definition of "ob". It say that ob is a pre fix derived from the latin and one of the meanings is "totally" or "completely". What do you think???

>SFTBW (figure it out) (hint- it's a common closing comment)-

You got me on this one, haven't had my coffe yet this morning. <GGG>

(o o)

-----o00_()_00o-----

73 es TNX
KE4QOK Real radios glow in the dark.
Bob Power is no substitute for skill.
 If it stayed up last winter, it was too small.
136 Hermitage Rd.
Newport News, Va. 23606 KE4QOK@worldnet.att.net
(757)930-0348

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Steve Hurst" <shurst@magiclink.com>
Subject: [9974] Re: IMHO?
Message-ID: <199701261915.0AA51318@nss2.CC.Lehigh.EDU>

> >SFTBW (figure it out) (hint- it's a common closing comment)-
>
 Lemme guess, hmmmmmmmmmm

Sorry For The BandWidth ?????

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: w77kxb@juno.com (William Harris)
Subject: [9983] Re: IMHO?
Message-ID: <19970126.132227.4351.2.w77kxb@juno.com>

PIDGAS

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Subject: [9966] re: irf510
Message-ID: <199701261808.NAA29076@aus-f.mp.campus.mci.net>

The irf510 subs to an nte 66. The transistor you were sold is also
an enhancment fet, but it's drain current is much less.
cheers... rich

Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>
qrp-l #933

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "M. Monninger" <markem@primenet.com>
Subject: [9980] re: irf510
Message-ID: <3.0.1.32.19970126125437.0094ec40@mailhost.primenet.com>

At 01:08 PM 1/26/97 -0500, Rich Dailey, KA8OKH wrote:
>The irf510 subs to an nte 66. The transistor you were sold is also
>an enhancment fet, but it's drain current is much less.
>cheers... rich
>

Just checked my catalog and found that the NTE66 goes for over \$10 at the
local parts place. Think I'll head to Radio Shack for the IRF for \$1.99...

73... Mark AA7TA

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [10000] Re: Johnson MatchBox Answer
Message-ID: <Pine.GS0.3.95.970126170230.1637A-1000000@destrier.acsu.buffalo.edu>

It won't do 160 or 30 according to the data I have. Refer to QST may '95
p.36 .

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

On Sun, 26 Jan 1997, Craig J. Sterling wrote:

> Greetings,
>
> In my quest for the ideal tuner for QRP, I found a mint, pristine &
> just out of the box Johnson MatchBox at a local ham-fest. It's the
> small one with a meter and SWR bridge...\$175.00...gulp!
>
> Question: WILL THESE UNITS TUNE THE WARC BANDS?
>
> Before starting the negotiation process, I better find out about it's
> tuning range since it's band-switching control ONLY indicates the
> original 5 bands...80,40,20,15 & 10M.
>
> Anyone have one of these boatanchors?
> Craig, AA3MD
>
>
>

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Vic Rosenthal <rakefet@rakefet.com>
Subject: [10009] Re: Johnson MatchBox Answer
Message-ID: <32EBDE88.20E5@rakefet.com>

Craig J. Sterling wrote:

>
> Greetings,
>
> In my quest for the ideal tuner for QRP, I found a mint, pristine &
> just out of the box Johnson MatchBox at a local ham-fest. It's the
> small one with a meter and SWR bridge...\$175.00...gulp!
>
> Question: WILL THESE UNITS TUNE THE WARC BANDS?
>
> Before starting the negotiation process, I better find out about it's
> tuning range since it's band-switching control ONLY indicates the
> original 5 bands...80,40,20,15 & 10M.
>
> Anyone have one of these boatanchors?

Craig,

I have one. The circuit is very well balanced is is excellent for use with ladder line. It does not match as wide a range as the t-match plus balun circuits that are common in present-day tuners, but provides better attenuation for out-of-band signals. I can't guess about the

efficiency; maybe someone has tested it. The fact that you don't need a balun should be a plus. As far as the WARC bands are concerned, it depends on the particular mix of resistance and reactance that you have. I use mine to match my full-wave 20 meter delta loop on 30, 20, 17, 15, and 10 meters (there is an imperfect match on 12). I had to fiddle with the length of the feedline to obtain this. I use it on 40 for 30 meters, 20 for 20, 15 for 17, 15, and 12; and 10 for 10.

Finally, I think \$175 is high for this. \$125 would probably be more in line with prices that I have seen.

Vic K2VCO

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Mike Duke <gmduke@oscar.teclink.net>
Subject: [10010] Re: K5XU for MS FSFD
Message-ID: <Pine.GS0.3.95.970126164150.10049A-1000000@oscar.teclink.net>

Hi Bob and list. Sorry to leave you flat on 20. Had good intentions of a more quiet evening on 40 for Saturday after the thunderstorms called a halt to my operation at about 0245Z Friday evening. However, Mother and I had a rather sudden encounter with a run-away box car Saturday afternoon. That altered the schedule, but, fortunately, didn't break any part of either of us.

Let's try fsfd again. I'll post more about the Friday activity later.

73, de K5XU
Mike Duke,
Jackson, MS

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [9933] Re: KU7Y FSFD schedule for Nevada
Message-ID: <Pine.SUN.3.90.970125225852.27451A-1000000@vortex.sage.dri.edu>

Hi,

OK, put me down for:

14.051 +/- qrm 28 Jan @ 2200z-0000z
10.118 +/- qrm 29 Jan @ 0001z-0200z

This is all on Tuesday afternoon/eve USA time.

I want to work a bunch of NC38S's on 30m.....

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: Roger Hightower <rhight@primenet.com>
Subject: [9989] Re: NC38S-parts???
Message-ID: <32EBC746.507D@primenet.com>

Hi Jeff. Have a 6.8uH choke and a 270K resistor in the mail to you.
Sri, don't have the others.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more
to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [9905] Re: OHR Exp2 40M Retired
Message-ID: <Pine.A41.3.95.970125202435.52026A-100000@hector.NMSU.Edu>

Chuck:

Nicely said! Congrats on number 50 using 0.95 watts! And no, didn't use
your tuner!

Tim AB50U

p.s. I'll be looking for you with the new Ten Tec.

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Jim Bennett <jbennett@ebmud.com>
Subject: [9901] Re: Ten Tec Enclosures???
Message-ID: <32EACAD2.60B@ebmud.com>

Pete Meier WK8S wrote:

>

> Where can I find out what size Ten Tec Enclosures...

Pete - Ten Tec has a web site <http://www.tentec.com>
I went there and sent an e-mail to their web meister asking
for a catalog. Got a whole bunch of literature in the
snail mail a few days later. Give 'em a shot.

72/73, Jim.

```
*-----*
|                Jim Bennett / W6JHB                |
|                jbennett@ebmud.com                  |
|                Martinez, CA                        |
|                                                    |
|  NWQRP #431      QRP-1 #596      ARRL Life Member  |
*-----*
```

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: ka7you@juno.com
Subject: [9938] Re: Those 12 power supplies
Message-ID: <19970126.010928.4647.0.KA7YOU@juno.com>

I have a schematic that I've drawn up for the "Allen Bond " supplies.
Some of the the transistor device numbers are not in my NTE cross
reference, so I've just drawn them in as generic NPN's, but the rest is
accurate to the best of my knowledge. I can send a copy for an SASE.

Rod Johnson KA7YOU
15819 266th Ave SE
Issaquah, Wa. 98027

The callbook address is good too.

Rod Johnson KA7YOU CN97AK near Hobart, Wa. 160M thru 1296 MHz
NWQRP#123 ARCI#7251

On Sat, 25 Jan 1997 09:08:42 -0600 (CST) Jack Bryant
<Jack.Bryant@math.tamu.edu> writes:
>findings: They have a 5A fuse, a 24VCT transformer, 2 3A diodes,

>a low tech series regulator (but great); I loaded one with a 10 ohm
>R for two days. The series transistor gets hot, but you can beef it
>up wit
>with more heat sink. Tested it at 3A 30% duty cycle for two hours.
>The regulatiation is super, and nothing gets hot except the pass
>xstr. From 0 to 2A there no practical voltage drop.
>
>They may have some RF problems. I couldn't detect any, but don't do
>HTs. My wife's cellfone didnt cause a problem. If you find a RF
>problem you
>can tack some bypass C's on the circuit board.
>
>bottom line: It puts out 20 watts key-down for days at 13.5 volts, and
>is
>very well-designed, except some idiot that picked that DIN plug for
>the
>output.
>
> -Jack W5TFB
>
>

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: [9962] Re: Tour of MFJ
Message-ID: <19970126174114.AAA25285@LOCALNAME>

At 04:10 PM 1/26/97 +0000, you wrote:

>I just started a new job which took me out to training at one of my company's
>remote design centers in Starkville, Miss.
>

The biggest surprise I had is when I saw Martin Jue for the first time! I had talked to him on the telephone, and pictured him as a typical Mississippi "redneck" with a beer belly. The typical "Bubba" type or the "country bumpkin" type. When I met him, I couldn't believe my eyes or my ears! He looks like he just dropped in from Hong Kong! Quite a shock. You get a mental image of someone when you hear them and many times it is entirely different from reality!

Martin in one helluva nice guy, and a very shrewd businessman.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75, 860 tubes

****Butternut HV2V antenna, G-R test gear.....****

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: rob3ert@juno.com (Robert G. Parks)
Subject: [9968] Re: Tour of MFJ
Message-ID: <19970126.103151.8982.0.rob3ert@juno.com>

Gary,

Although I'm generally a supporter of MFJ and have several of their products, I think you made a bad choice with the regen. I bought one last year, put it together and found it to be a "piece of junk", IMHO. I spent a good deal of time on the phone with their "technicians" who were no help at all, and was finally advised to send it to them for their \$35 fix. No thanks.

(Please, Chuck, don't take this as an offence which will get me thrown off QRP-L!)

GL, anyway, Gary.

72/73

Bob Parks
K6AEC (Las Vegas)
QRP-L#630

snip

>

>I dropped by MFJ during lunch & was pleasantly surprised by the
>friendliness

>

>I couldn't leave empty handed, so I bought the regenerative SW radio
>kit
snip

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: jayboy@psnw.com (Jay & Jackie)
Subject: [9947] Re: WANTED: KC-2
Message-ID: <199701261449.GAA13526@sierra.psnw.com>

Seab: To get it all back, start with the NORCAL QRP Homepage....they link to Wilderness Radio and a lot of good stuff.

Jay W6JDB

At 07:50 AM 1/26/97 +0000, SEAB&SHARON LYON wrote:

>I LOST MY REFS WHEN I BLEW UP THE OLD "C" DRIVE, AND NEED THE SOURCE OF
>SUBJECT MARVEL. (MY MEMORY WENT EVEN BEFORE THAT) PLS ADVISE... THANKS
>AGAIN, GROUP! =S=
>"Seab" Lyon, AA1MY
>Bethel, CT; FN-31-HJ;
>ARCI#9253; QRP-L#574;
>ARRL; QCWA; B.C.I.
>
>
>
>

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: "David D. Meacham" <ddm@datatamers.com>

Subject: [9979] Re: WANTED: KC-2

Message-ID: <Pine.LNX.3.91.970126115228.19655B-100000@dt1.datatamers.com>

Seab & Sharon,

You can get it from Wilderness Radio, P.O. Box 734, Los Altos, CA

94023-0734. Phone: (415) 494-3806 (Bob Dyer, KD6VIO)

72, Dave, W6EMD

From owner-qrp-l@lehigh.edu Sun Jan 26 18:01:55 1997

From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>

Subject: [9915] Re: When AL7FS on 40?

Message-ID: <970126040238_70511.3041_IHD64-1@CompuServe.COM>

Tim:

Many thanks, guy. Went immediately to the rig, and got him within 5-6 minutes or so. Owe you this one. He was 229 at my QTH, and he actually gave me a better RST than I sent him.

Point is, if you hadn't spotted his freq and sent it to me, I *would* have definitely missed him on 40.

Hope to return the favor sometime. What a day = 20 + 30 + 40!!

72/73,

--Doc/K0EVZ QRP-L #861 MN-QRP #20 ARRL

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [9952] Re: WM-2 Wattmeter building problem.....
Message-ID: <Pine.SUN.3.95q.970126090657.22516D-100000@ume>

On Sat, 25 Jan 1997, ED WELCH wrote:

> Help!

>

> I'm just finishing up putting together my OHR WM-2 wattmeter and I've
> suddenly ran into a problem. To get to the very end and.... :(

>

> When I try to adjust R14 for a full scale 100mW reading the needle
> doesn't move. The needle is pegged out on the 100mW end of the scale and
> doesn't react to any adjustment of R14. I've got 2.51v showing on the
> volt meter. 10W shows an "almost" fullscale 10W reading. 1W gives a
> pegged out reading. When the switch is switched to the 100mW scale the
> needle drops and then bumps back quickly to where it was pegged out on the
> 1W scale. Any help you could give me would be *most* appreciated!

>

Been there, recently in fact. In my case, I have incorrectly wired the
actual switch, off by one lug actually. Worked great afterwards.

Dr. Rick Zabrodski BSc, MD, CCFP(E) MRO * VE6GK
Clinical Assistant Professor * NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

From owner-qrp-1@lehigh.edu Sun Jan 26 18:01:55 1997
From: gsurrency@juno.com
Subject: [9977] Re: WM2-Wattmeter completed, aligned, etc.,...
Message-ID: <19970126.122649.3246.1.gsurrency@juno.com>

Hey, you were just too anxious to get it to work! Understandable. Or you
have spent too much time indoors. Why, with building kits and operating
radio, you know. You know this to be true when you look up from the

dinner table at the TV and you can't read any of the writing on the screen. This means you have been using your eyes for waaaay too long, at close distances while building kits and they no longer focus at a distance. ;-)

As Chuck says, "Been there, done that."

Yes, the WM-1 is a nice piece of gear. No respectable QRPer should be without one.

On another topic,

Yes, MFJ is OK by me. The frequency counter went out in my MFJ-259 SWR Analyzer during the month of December. I spoke with a tech there, and he asked if it was still under warranty, which it was. They repaired it for no charge, except a \$7 handling fee, inside of three weeks. This was during the holiday season! Nice service.

See ya on the bands....

72,

Gary
AB7MY